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AFATL-TR-76-23

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**A COMPILATION OF
STATIC STABILITY AND FIN LOADS DATA
FOR SLENDER BODY MISSILE MODELS
WITH AND WITHOUT TAIL FINS AND WINGS**

VOLUME V

(APPENDIX G)
(TEST NUMBER 7, PARTS 106 THROUGH 175)

PROPULSION WIND TUNNEL FACILITY
ARNOLD ENGINEERING DEVELOPMENT CENTER
AIR FORCE SYSTEMS COMMAND
ARNOLD AF STATION, TENNESSEE 37389

March 1976

Final Report for Period March 1968 – March 1973

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AIR FORCE ARMAMENT LABORATORY (AFATL/DLMA)
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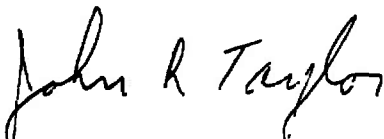
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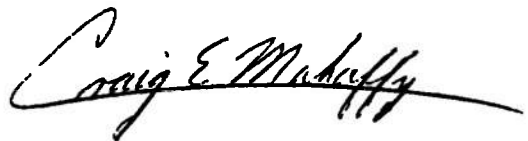
APPROVAL STATEMENT

This technical report has been reviewed and is approved for publication.

FOR THE COMMANDER



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Division
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CRAIG E. MAHAFFY
Colonel, USAF
Director of Test

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19 KEY WORDS (Continue on reverse side if necessary and identify by block number) Martin Generalized Research Model slender bodies tables (data) static stability guided missiles fins models aerodynamic loading wing body configurations control surfaces (Continued)		
20 ABSTRACT (Continue on reverse side if necessary and identify by block number) This document contains a compilation of aerodynamic data for the Martin Generalized Research Model, which is a composite of several body, wing, and tail fin configurations typical of missile applications. The model variations included five body configurations, three wing configurations at various body locations, and 15 tail fin configurations. Static stability and tail fin loads data are presented in tabulated and plotted form for a Mach number range		

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4. TITLE (Continued)

NUMBER 7, PARTS 106 THROUGH 175)

19. KEY WORDS (Continued)

deflection
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supersonic flow
wind tunnel tests

20. ABSTRACT (Continued)

from 0.20 to 4.63 over an angle-of-attack range from -6 to 60 deg and a sideslip angle range from -20 to 20 deg for the body-alone configurations, body-wing configurations, and the body-wing-tail fin configurations. In addition, the tail fin configurations were tested using the reflection plane technique, and the resulting fin loads data are presented for a Mach number range of 0.80 to 2.16 over an angle-of-attack range from 0 to 210 deg. Volume V contains the tabulated data obtained during Test Number 7, Parts 106 through 175, at the Naval Ship Research and Development Center.

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PREFACE

The data presented herein were compiled by the Arnold Engineering Development Center (AEDC), Air Force Systems Command (AFSC), under the sponsorship of the Air Force Armament Laboratory (AFATL), Eglin Air Force Base, Florida. Seven different tests were conducted by three organizations: ARO, Inc. (a subsidiary of Sverdrup & Parcel and Associates, Inc.), contract operator of the AEDC, AFSC, Arnold Air Force Station, Tennessee; Naval Ship Research and Development Center (NSRDC), Bethesda, Maryland; and Langley Research Center (LRC), National Aeronautics and Space Administration (NASA), Langley Air Force Base, Virginia. The data were compiled under ARO Project No. P34A-37A. The author of this report was G. R. Gomillion, ARO, Inc. The manuscript (ARO Control No. ARO-PWT-TR-75-88) was submitted for publication on June 20, 1975.

This volume contains the tabulated data that were obtained during Test Number 7, Parts 106 through 175, that was conducted in the 7 x 10 Foot Transonic Wind Tunnel at NSRDC during March 1973. As an aid in the use of these data, the table which lists the part numbers for the tabulated data from Test Number 7 and the general list of nomenclature are repeated from Volume I at the end of this volume.

APPENDIX G
TEST 7
(PARTS 106 THROUGH 175)

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	RAIO	PRI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	100	0.80	1.7	U.C	0.100F14	U.C	0	-30	0	-30	UNKNOWN
FLINT	ALPHA	BETA	CA	CLM	CLY	CLN	CLL	CA	LAB	CAF	XCP
1	-5.72	0.01	-2.1632	7.4457	0.0358	-0.0552	0.0097	1.2175	0.3646	0.8529	-3.4122
2	-5.72	0.02	-2.1680	7.4454	0.0618	-0.1108	0.0094	1.2195	0.3646	0.8545	-3.4405
3	-5.72	0.01	-2.1631	7.4456	-0.0232	-0.0117	0.0096	1.2197	0.3685	0.8532	-3.4124
4	-5.72	0.02	-2.1680	7.4455	0.0079	-0.0845	0.0094	1.2194	0.3680	0.8534	-3.4406
5	-5.75	0.01	-2.1474	7.4767	0.0215	-0.0612	0.0047	1.2234	0.3650	0.8578	-3.4034
6	-5.84	0.00	-2.1628	7.4463	-0.0305	-0.1212	0.0245	1.2212	0.3622	0.8590	-3.4613
7	-5.84	0.00	-2.1606	7.4452	-0.0216	-0.0136	0.0176	1.2214	0.3584	0.8630	-3.4317
8	-5.84	0.01	-2.1605	7.4766	0.0776	-0.1714	0.0249	1.1725	0.2913	0.8813	-3.5597
9	-3.47	0.00	-2.0-10	7.7806	0.0237	-0.0430	0.0105	1.0982	0.1928	0.9034	-3.8123
10	-1.80	0.00	-1.8263	7.4217	0.0058	0.0042	0.0183	1.0623	0.1809	0.8815	-4.0804
11	-0.07	0.00	-1.8005	7.0254	0.0220	-0.0418	0.0283	1.0227	0.1791	0.8436	-4.3919
12	1.64	-0.00	-1.3168	6.0511	0.0361	-0.0515	0.0267	0.9782	0.1782	0.8000	-4.7586
13	3.45	-0.00	-1.1545	6.0764	0.0510	-0.0555	0.0272	0.9269	0.1815	0.7450	-5.2614
14	5.05	-0.00	-0.8749	5.4458	0.0653	-0.0558	0.0270	0.8842	0.1830	0.6807	-6.2797
15	6.64	-0.00	-0.6618	5.1323	0.0495	-0.0536	0.0207	0.8342	0.1795	0.6249	-7.5306
16	8.24	-0.00	-0.4427	4.0050	0.0385	-0.0502	0.0206	0.7451	0.1621	0.5040	-11.3518
17	10.22	-0.00	-0.1854	4.3105	0.0408	-0.0094	0.0382	0.6904	0.1679	0.5105	-22.7608
18	11.47	-0.01	0.0067	3.8344	0.0205	-0.0805	0.0370	0.6376	0.1922	0.4454	44.2032
19	13.66	-0.01	0.0022	3.3715	0.0225	-0.0644	0.0304	0.5824	0.1945	0.3879	5.3246
20	15.42	-0.01	0.0045	2.8641	-0.0344	0.0615	0.0308	0.5274	0.1579	0.3255	4.1761
21	17.22	-0.01	0.0250	2.5015	-0.0471	0.0854	0.0387	0.4597	0.1975	0.2622	2.7624
22	18.95	-0.02	1.2013	2.1175	-0.1436	0.0193	0.0367	0.4076	0.2065	0.2011	1.7625
23	20.75	-0.02	1.4831	1.8823	-0.3327	0.8738	0.0450	0.3613	0.2178	0.1435	1.2557
24	22.50	-0.03	1.7015	1.6383	-0.4582	1.2370	0.0377	0.3241	0.2309	0.0431	0.5156
25	24.25	-0.03	2.0050	1.3388	-0.6516	2.3298	0.0274	0.3019	0.2484	0.0534	0.7557
26	26.00	0.01	2.2303	1.0883	0.0486	-0.3345	0.0441	0.2532	0.2413	0.0119	0.7458
27	27.75	0.00	2.5385	1.5812	-0.0557	0.2246	0.0371	0.2092	0.2484	-0.0392	0.6822
28	28.18	0.02	2.5508	1.7747	0.1317	-0.2481	0.0875	0.2050	0.2522	-0.0472	0.6542
29	28.40	0.01	2.5887	1.8244	0.0808	0.1155	0.0445	0.1923	0.2521	-0.0598	0.7053
30	28.74	0.02	2.6650	1.8715	0.0361	-0.0324	0.0352	0.1891	0.2545	-0.0654	0.7023
31	29.06	0.03	2.7415	1.8257	0.2451	-0.2011	0.0538	0.1784	0.2602	-0.0816	0.6641
32	29.38	0.02	2.8000	1.8110	0.2028	-0.1350	0.0612	0.1744	0.2644	-0.0900	0.6469
33	29.60	0.03	2.8874	1.8405	0.1464	0.0079	0.0538	0.1752	0.2688	-0.0936	0.6419
34	29.94	0.03	2.9440	1.8711	0.1582	0.0521	0.0538	0.1715	0.2706	-0.0952	0.6145
35	30.23	0.05	2.9883	1.8862	0.3110	0.1887	0.0534	0.1638	0.2716	-0.1075	0.6145
36	30.50	0.04	3.0012	1.7955	0.3872	-0.1645	0.0694	0.1589	0.2749	-0.1181	0.5878
37	30.76	0.04	3.0929	1.7985	0.2734	0.0462	0.0689	0.1539	0.2771	-0.1233	0.5804
38	31.04	0.04	3.2164	1.8252	0.0470	0.8390	0.0518	0.1595	0.2807	-0.1473	0.5050
39	31.31	0.02	3.2385	1.8205	-0.0462	1.3134	0.0211	0.1346	0.2880	-0.1537	0.5005
40	31.58	0.03	3.2710	1.8054	0.0101	1.2454	0.0208	0.1331	0.2909	-0.1578	0.5152
41	31.84	0.02	3.3350	1.8381	-0.1488	1.4861	0.0285	0.1231	0.2984	-0.1753	0.4871
42	32.11	0.03	3.4230	1.8430	0.0294	1.3450	0.0290	0.1066	0.2989	-0.1503	0.4948
43	32.37	0.02	3.4524	1.7627	-0.0038	1.2962	0.0295	0.1004	0.3003	-0.1999	0.4890
44	32.62	0.02	3.5157	1.8030	-0.0100	1.1741	0.0230	0.1039	0.3017	-0.1978	0.5130
45	32.80	0.04	3.6331	1.8757	0.1535	1.2300	0.0372	0.0872	0.3050	-0.2177	0.4612
46	33.14	0.02	3.6510	1.8077	0.0503	1.1437	0.0235	0.0781	0.2984	-0.2222	0.4951

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: RX10-6		PHI CLNF		C		DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		100 0.80 1.7		0.0 8100 14		C.C	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CN	CLM	CY	CLL	CLL	LA	CAB	CAF	XCP
47	33.38	0.03	3.7748	1.7816	0.1685	1.1643	0.0384	0.0680	0.3059	-0.2378	0.4720
48	33.04	0.03	3.8701	1.8322	0.1404	1.2692	0.0458	0.0563	0.3074	-0.2510	0.4734
49	33.89	0.03	3.9565	1.8580	0.2091	1.2283	0.0534	0.0573	0.3121	-0.2747	0.4645
50	34.13	0.04	4.0450	1.9266	0.3444	1.1536	0.0537	0.0220	0.3145	-0.2925	0.4763
51	34.35	0.05	4.1561	1.9056	0.5057	1.0372	0.0543	0.0025	0.3145	-0.3124	0.4729
52	34.63	0.05	4.2500	1.8758	0.4550	1.2187	0.0542	0.0115	0.3229	-0.3114	0.4382
53	34.85	0.06	4.3465	1.8335	0.4583	1.4518	0.0606	0.0022	0.3281	-0.3255	0.4216
54	35.10	0.05	4.3800	2.0357	0.4050	1.1808	0.0548	-0.0125	0.3330	-0.3455	0.4648
55	35.36	0.06	4.5652	1.7551	0.5436	1.4131	0.0616	-0.0206	0.3377	-0.3605	0.3538
56	35.59	0.07	4.7358	1.7050	0.6463	1.3404	0.0708	-0.0360	0.3471	-0.3831	0.3600
57	35.83	0.06	4.7703	1.8226	0.5731	1.3588	0.0699	-0.0412	0.3466	-0.3856	0.3821
58	36.07	0.06	4.8540	1.8714	0.6601	0.7102	0.0801	-0.0576	0.3481	-0.4057	0.3823
59	36.29	0.07	4.9562	1.7616	0.6226	1.4433	0.0702	-0.0522	0.3542	-0.4064	0.3546
60	36.53	0.07	5.0251	1.7714	0.6581	1.2009	0.0713	-0.0601	0.3547	-0.4348	0.3525
61	36.77	0.08	5.1576	1.5005	0.3504	2.0442	0.0689	-0.0804	0.3649	-0.4553	0.2910
62	37.01	0.08	5.2467	1.4764	0.5631	2.0645	0.0616	-0.0975	0.3653	-0.4627	0.2796
63	37.24	0.07	5.3534	1.2816	0.4532	2.5224	0.0675	-0.1128	0.3715	-0.4841	0.2376
64	37.49	0.08	5.6164	1.0527	0.3752	3.3610	0.0576	-0.0999	0.3695	-0.4693	0.1874
65	37.73	0.08	5.5835	1.2174	0.4377	2.5735	0.0519	-0.1273	0.3665	-0.4938	0.2180
66	37.95	0.09	5.6435	0.7577	0.3724	3.6332	0.0640	-0.1336	0.3755	-0.5091	0.1365
67	38.18	0.06	5.5179	0.7776	0.2267	4.0223	0.0638	-0.1463	0.3811	-0.5274	0.1314
68	38.40	0.08	5.4815	0.8552	0.2474	3.7532	0.0650	-0.1548	0.3859	-0.5407	0.1430
69	38.65	0.08	6.2716	0.4581	0.1707	4.5208	0.0617	-0.1499	0.3909	-0.5408	0.0730
70	38.87	0.09	6.4315	0.2628	0.2152	5.0375	0.0542	-0.1460	0.3952	-0.5412	0.0409
71	39.08	0.07	6.4350	0.4066	0.0682	4.8878	0.0552	-0.1632	0.3957	-0.5589	0.0632
72	39.30	0.08	6.5637	0.2815	0.1812	4.5480	0.0480	-0.1576	0.4007	-0.5583	0.0430
73	39.52	0.09	6.7157	0.2666	0.2564	4.8512	0.0466	-0.1813	0.4050	-0.5663	0.0400
74	39.71	0.08	6.7023	0.3400	0.2511	4.5025	0.0502	-0.1722	0.4041	-0.5763	0.0507
75	39.92	0.05	6.6368	0.6638	0.1620	3.5683	0.0571	-0.1968	0.4060	-0.6028	0.1000
76	40.13	0.07	6.6336	0.6665	0.2511	3.8047	0.0673	-0.1632	0.4060	-0.5892	0.1008
77	40.30	0.06	6.5863	0.5751	0.2575	3.2558	0.0666	-0.1961	0.4051	-0.5982	0.1482
78	40.52	0.07	6.7028	0.9041	0.4318	3.1359	0.0851	-0.2138	0.4026	-0.6184	0.1349
79	40.72	0.06	6.8027	0.7512	0.4316	3.7092	0.0928	-0.2224	0.4021	-0.6245	0.1163
80	40.92	0.08	6.8466	0.7740	0.4253	3.3739	0.0995	-0.2103	0.4044	-0.6147	0.1130
81	41.14	0.06	6.5713	0.7705	0.5276	3.1775	0.0857	-0.2336	0.4111	-0.6447	0.1105
82	41.33	0.06	6.5487	0.7465	0.4456	3.1651	0.1010	-0.2302	0.4134	-0.6456	0.1141
83	41.53	0.05	7.1543	0.7864	0.3808	3.3488	0.0862	-0.2441	0.4162	-0.6603	0.1099
84	41.73	0.05	7.1476	0.7542	0.3671	3.4745	0.0858	-0.2372	0.4201	-0.6573	0.1048
85	41.93	0.04	7.3625	0.6445	0.2646	3.6878	0.0829	-0.2452	0.4277	-0.6729	0.0875
86	42.13	0.05	7.2012	0.8554	0.2710	3.0735	0.0835	-0.2463	0.4256	-0.6719	0.1235
87	42.31	0.04	7.4658	0.6455	0.2560	3.5770	0.0555	-0.2505	0.4258	-0.6804	0.0865
88	42.50	0.05	7.5597	0.5115	0.1560	4.2231	0.0257	-0.2544	0.4317	-0.6862	0.0673
89	42.68	0.05	7.8080	0.6540	0.2526	4.0861	0.0336	-0.2521	0.4319	-0.6841	0.0800
90	42.86	0.04	7.6567	0.7460	0.1065	4.1267	0.0194	-0.2674	0.4263	-0.6543	0.0577
91	43.03	0.05	7.7266	0.6406	0.2330	4.1453	0.0193	-0.2626	0.4243	-0.6870	0.0829
92	43.21	0.06	7.8042	0.6713	0.2422	4.0142	0.0201	-0.2663	0.4244	-0.6908	0.0860

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
1 106 0.00 1.7 0.0 0.0 0 0 0 0 0 UNKNOWN											
FCINT	ALPHA	BETA	CLN	CLM	CLY	CLN	CLL	CLN	CAF	XCP	
93	43.41	0.06	7.7435	0.3945	0.2704	4.2702	0.0193	-0.2661	0.4331	-0.6993	0.0457
94	43.60	0.06	8.0405	0.3062	0.2502	4.4722	-0.0102	-0.2703	0.4331	-0.7635	0.0457
95	43.75	0.06	8.1735	0.3959	0.3464	3.9390	0.0214	-0.2700	0.4338	-0.7103	0.0486
96	43.95	0.05	8.1371	0.3551	0.1142	4.5255	-0.0024	-0.2654	0.4285	-0.6944	0.0485
97	44.14	0.05	8.3653	0.0551	0.2074	4.5415	-0.0021	-0.2607	0.4308	-0.7116	0.0071
98	44.32	0.07	8.4522	0.1003	0.3155	4.3010	0.0261	-0.2426	0.4378	-0.7334	0.0118
99	44.52	0.07	8.6636	-0.1365	0.3500	4.4596	0.0132	-0.2525	0.4383	-0.7308	-0.0158
100	44.70	0.07	8.6733	-0.1355	0.2647	4.5249	-0.0084	-0.3030	0.4241	-0.7321	-0.0156
101	44.88	0.07	8.7559	-0.2476	0.3135	4.5140	0.0054	-0.2587	0.4324	-0.7311	-0.0283
102	45.05	0.07	8.8665	-0.2848	0.3111	4.4646	0.0068	-0.3113	0.4324	-0.7437	-0.0323
103	45.24	0.05	8.8904	-0.2248	0.1895	4.7804	-0.0300	-0.3096	0.4366	-0.7462	-0.0253
104	45.42	0.06	8.9401	-0.3372	0.1550	4.9455	-0.0304	-0.3134	0.4315	-0.7449	-0.0375
105	45.55	0.05	9.0934	-0.3757	0.1245	4.9731	-0.0310	-0.3353	0.4256	-0.7649	-0.0418
106	45.75	0.04	9.0113	-0.1581	0.0901	4.8500	-0.0057	-0.3205	0.4288	-0.7553	-0.0175
107	45.93	0.05	9.1755	-0.3703	0.2054	5.0713	-0.0517	-0.3267	0.4310	-0.7577	-0.0403
108	46.11	0.05	9.2126	-0.2704	0.2091	4.8618	-0.0307	-0.3411	0.4226	-0.7637	-0.0493
109	46.29	0.05	9.2655	-0.0475	0.1335	4.9720	-0.0451	-0.3549	0.4213	-0.7762	-0.0105
110	46.45	0.04	9.2576	-0.1960	0.0514	4.9471	-0.0355	-0.3307	0.4250	-0.7557	-0.0212
111	46.61	0.03	9.2469	-0.2715	0.0243	4.8058	-0.1073	-0.3557	0.4119	-0.7676	-0.0294
112	46.79	0.03	9.3172	-0.0570	0.0507	4.9226	-0.0718	-0.3581	0.4221	-0.7802	-0.0105
113	46.96	0.03	9.3665	-0.0124	0.1033	5.1437	-0.0940	-0.3395	0.4193	-0.7588	-0.0013
114	47.13	0.03	9.5175	-0.0575	0.0531	4.9464	-0.0783	-0.3643	0.4231	-0.7874	-0.0061
115	47.31	0.03	9.4475	-0.0591	0.0043	5.0045	-0.0928	-0.3512	0.4278	-0.7750	-0.0041
116	47.49	0.04	9.5943	-0.2017	0.0117	5.1518	-0.0767	-0.3697	0.4273	-0.7970	-0.0210
117	47.65	0.03	9.6175	-0.0065	0.0884	4.9860	-0.0776	-0.3703	0.4213	-0.7976	-0.0007
118	47.82	0.03	9.6700	-0.1155	0.0727	5.3098	-0.1077	-0.3649	0.4302	-0.7951	-0.0120
119	47.99	0.04	9.7056	-0.0015	0.0006	5.2411	-0.1074	-0.3903	0.4318	-0.8215	-0.0002
120	48.17	0.03	9.8312	-0.0445	0.1000	5.5002	-0.1009	-0.3844	0.4344	-0.8188	-0.0208
121	48.35	0.03	9.9045	-0.1881	0.1206	5.5622	-0.1366	-0.3825	0.4405	-0.8234	-0.0150
122	48.51	0.03	9.9203	-0.1463	0.2125	5.5445	-0.1074	-0.3741	0.4414	-0.8155	-0.0147
123	48.66	0.02	9.8821	0.2700	0.2572	5.2563	-0.1135	-0.3936	0.4407	-0.8343	0.0273
124	48.85	0.03	10.0027	0.1233	0.1500	5.3025	-0.1206	-0.3844	0.4435	-0.8295	0.0123
125	49.01	0.01	9.9563	0.3065	-0.4145	5.2362	-0.1126	-0.3619	0.4468	-0.8267	0.0338
126	49.19	0.02	10.0022	0.2057	-0.2151	5.2422	-0.1192	-0.3844	0.4482	-0.8326	0.0204
127	49.35	0.02	10.0770	0.2168	-0.2154	5.2300	-0.1336	-0.3855	0.4542	-0.8437	0.0215
128	49.54	0.02	10.1344	0.2342	-0.2207	5.1408	-0.1405	-0.3914	0.4536	-0.8455	0.0236
129	49.70	0.02	10.0655	0.2116	-0.1080	4.9738	-0.1164	-0.4024	0.4479	-0.8503	0.0259
130	49.85	0.01	10.1125	0.4065	-0.2032	4.8991	-0.1160	-0.4185	0.4517	-0.8703	0.0463
131	50.03	0.00	10.1155	0.5100	-0.2843	4.8165	-0.1247	-0.4067	0.4530	-0.8597	0.0504
132	50.20	0.01	10.1570	0.4427	-0.3500	4.9102	-0.1251	-0.4182	0.4556	-0.8741	0.0436
133	50.37	0.00	10.3140	0.1433	-0.2121	5.0572	-0.1478	-0.4156	0.4647	-0.8804	0.0139
134	50.53	0.00	10.3015	0.2615	-0.2594	4.9427	-0.1395	-0.4202	0.4615	-0.8822	0.0254
135	50.70	0.00	10.4057	0.0302	-0.2593	5.1915	-0.1480	-0.4236	0.4631	-0.8918	-0.0030
136	50.87	0.01	10.4653	0.0542	-0.1485	5.1109	-0.1481	-0.4295	0.4732	-0.9032	-0.0092
137	51.02	0.00	10.4864	-0.1481	-0.3355	5.4055	-0.1634	-0.4064	0.4603	-0.8868	-0.0141
138	51.20	0.00	10.6234	-0.2697	-0.2465	5.1557	-0.1772	-0.4256	0.4798	-0.9055	-0.0254

PAGE 1 OF 3
SHEET 4 OF 4

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART		MACF	RIXC-6	PHI	CONF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		100	0.00	1.7	J.C	8100F14	C.C	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	LN	CLM	CY	CLA	CLL	CA	LAB	LAF	ACP	
139	51.36	0.01	10.6850	-0.2636	-0.0071	5.1166	-0.1771	-0.4103	0.4884	-0.8587	-0.0247	
140	51.34	0.00	10.7769	-0.3423	-0.2980	5.4080	-0.1844	-0.3909	0.4536	-0.8845	-0.0322	
141	51.71	0.02	10.8566	-0.3370	-0.0734	5.3659	-0.1718	-0.3811	0.5050	-0.8861	-0.0309	
142	51.90	0.04	11.1001	-0.2651	0.0011	5.3619	-0.1842	-0.3900	0.5450	-0.8710	-0.0456	
143	52.04	0.02	11.0255	-0.4585	-0.1306	5.4821	-0.1921	-0.3748	0.5186	-0.8536	-0.0414	
144	52.24	0.05	11.2413	-0.0231	0.2153	5.2190	-0.1764	-0.3390	0.5380	-0.8764	-0.0554	
145	52.40	0.07	11.4134	-0.7418	0.4337	5.2248	-0.1767	-0.3265	0.5458	-0.8763	-0.0650	
146	52.50	0.05	11.3133	-0.0947	0.2170	5.3102	-0.1916	-0.3530	0.5507	-0.9043	-0.0614	
147	52.73	0.00	11.4353	-0.7021	0.2386	5.4182	-0.1924	-0.3467	0.5665	-0.9156	-0.0614	
148	52.92	0.00	11.7225	-0.9817	0.5745	5.2473	-0.1820	-0.3599	0.5664	-0.9263	-0.0837	
149	53.07	0.06	11.7590	-0.5373	0.3581	5.2893	-0.1545	-0.3589	0.5656	-0.9245	-0.0797	
150	53.25	0.08	11.8008	-1.0142	0.5910	5.2581	-0.1543	-0.3443	0.5699	-0.9152	-0.0854	
151	53.40	0.05	11.7883	-0.8861	0.7237	5.0651	-0.1541	-0.3694	0.5583	-0.9277	-0.0752	
152	53.59	0.05	12.0008	-1.0185	0.7440	4.5341	-0.1295	-0.3600	0.5681	-0.9331	-0.0649	
153	53.74	0.05	12.1916	-1.1245	0.8035	4.1213	-0.0830	-0.3955	0.5422	-0.9377	-0.0924	
154	53.91	0.10	12.4071	-1.3750	0.9432	3.5102	-0.0261	-0.3809	0.5481	-0.9370	-0.1101	
155	54.07	0.11	12.4235	-1.1730	1.1080	3.3424	-0.0499	-0.4014	0.5370	-0.9384	-0.0942	
156	54.23	0.05	12.6714	-1.4466	0.9301	2.5444	0.0260	-0.4043	0.5386	-0.9407	-0.1181	
157	54.39	0.09	12.7134	-1.3994	0.9475	2.7589	0.0353	-0.3570	0.5816	-0.9368	-0.1101	
158	54.57	0.10	12.9435	-1.5552	1.1320	2.4000	0.0584	-0.3002	0.6043	-0.9845	-0.1237	
159	54.71	0.05	12.9534	-1.7052	1.0004	2.7282	0.0508	-0.3738	0.6072	-0.9810	-0.1312	
160	54.87	0.10	12.9212	-1.6120	1.1404	2.5829	0.0050	-0.4223	0.5381	-0.9404	-0.1248	
161	55.02	0.08	13.0148	-1.6125	0.7441	3.0445	0.0648	-0.3388	0.6193	-0.9581	-0.1239	
162	55.18	0.08	13.1247	-1.6070	0.5385	2.9215	0.0208	-0.3575	0.6069	-0.9648	-0.1269	
163	55.33	0.07	13.1561	-1.5436	1.0085	2.7593	0.0737	-0.3962	0.5476	-0.9458	-0.1245	
164	55.48	0.08	13.1150	-1.7000	1.1335	2.7625	0.0056	-0.4026	0.5558	-0.9624	-0.1342	
165	55.65	0.09	13.2472	-1.5707	1.2634	2.5792	0.0519	-0.4254	0.5427	-0.9681	-0.1186	
166	55.83	0.07	13.2955	-1.7311	1.0801	2.7650	0.0515	-0.4028	0.5554	-0.9652	-0.1302	
167	56.00	0.08	13.3013	-1.6748	1.1562	2.8132	0.0663	-0.4126	0.5571	-0.9657	-0.1253	
168	56.14	0.09	13.4369	-1.7159	1.3130	2.6825	0.0521	-0.4027	0.5693	-0.9720	-0.1277	
169	56.31	0.07	13.3368	-1.7036	1.0353	2.7591	0.0593	-0.4127	0.5721	-0.9848	-0.1277	
170	56.49	0.08	13.5014	-1.6445	1.1105	2.8807	0.0530	-0.3808	0.6002	-0.9890	-0.1213	
171	56.63	0.06	13.4150	-1.4219	0.9595	2.8224	0.0525	-0.3640	0.6212	-0.9852	-0.1060	
172	56.79	0.05	13.4001	-1.5071	0.7065	3.3021	0.0507	-0.3591	0.6241	-0.9832	-0.1184	
173	56.95	0.04	13.4375	-1.6284	0.6625	2.7957	0.0551	-0.3593	0.6265	-0.9858	-0.1212	
174	57.14	0.07	13.5487	-1.6467	0.8410	3.2463	0.0661	-0.3701	0.6317	-1.0078	-0.1213	
175	57.29	0.07	13.3933	-1.5513	0.5383	2.6791	0.0455	-0.3982	0.6102	-1.0084	-0.1186	
176	57.45	0.07	13.4517	-1.4357	0.6467	2.6451	0.0610	-0.3637	0.6355	-0.9952	-0.1070	
177	57.61	0.06	13.5308	-1.6048	0.7058	2.7460	0.0463	-0.3716	0.6316	-1.0032	-0.1186	
178	57.75	0.03	13.5364	-1.6006	0.3103	2.4233	0.0556	-0.3406	0.6525	-1.0011	-0.1211	
179	57.88	0.02	13.5073	-1.7384	0.2888	2.1526	0.0492	-0.3466	0.6517	-1.0003	-0.1286	
180	58.05	0.06	13.5073	-1.4382	0.0530	2.5344	0.0540	-0.3344	0.6510	-0.9904	-0.1065	
181	58.19	0.04	13.4237	-1.3855	0.4238	2.4220	0.0553	-0.3597	0.6572	-1.0169	-0.1032	
182	58.29	0.03	13.4043	-1.6163	0.3576	2.2105	0.0633	-0.3504	0.6476	-0.9980	-0.1206	
183	58.30	0.05	13.6145	-1.7670	0.5957	2.4357	0.0627	-0.3554	0.6717	-1.0271	-0.1298	
184	58.30	0.01	13.5048	-1.6535	0.1232	2.6049	0.0556	-0.3340	0.6640	-1.0038	-0.1219	

PAGE 2 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6												
1 100 0.00 1.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0												
PHI CNF L DELI DEL2 DEL3 DEL4 TRANSITION												
1 100 0.00 1.7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0												
PCINT	ALPHA	BETA	LNFI	CHI	CBI	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.72	0.01	-0.0275	-0.0002	0.0091	-0.0072	-0.3262	-1.0070	-0.0406	-0.3475	0.0373	0.3197
2	-5.72	0.02	-0.0275	-0.0002	0.0091	0.0072	-0.3477	-1.0057	-0.0402	-0.3496	0.0367	0.3191
3	-5.72	0.01	-0.0280	-0.0002	0.0095	-0.0071	-0.3500	-1.0073	-0.0406	-0.3511	0.0370	0.3200
4	-5.72	0.02	-0.0284	0.0	0.0090	0.0	-0.3501	-1.0069	-0.0406	-0.3514	0.0361	0.3192
5	-5.73	0.01	-0.0310	-0.0002	0.0088	0.0065	-0.2839	-1.0056	-0.0405	-0.3503	0.0370	0.3197
6	-5.84	0.00	-0.0325	-0.0001	0.0086	0.0031	-0.2046	-1.0030	-0.0381	-0.3535	0.0345	0.3205
7	-5.84	0.00	-0.0294	-0.0003	0.0085	0.0102	-0.3027	-1.0115	-0.0367	-0.3535	0.0333	0.3213
8	-5.21	0.01	-0.0295	-0.0006	0.0102	0.0203	-0.3458	-1.1456	-0.0227	-0.3674	0.0198	0.3207
9	-5.47	0.00	-0.0305	-0.0005	0.0087	0.0162	-0.2816	-1.1087	-0.0378	-0.3656	0.0070	0.3255
10	-1.60	0.00	-0.0278	-0.0003	0.0084	0.0108	-0.3022	-1.0094	0.0011	-0.3515	-0.0010	0.3287
11	-0.07	0.00	-0.0244	-0.0005	0.0074	0.0205	-0.3033	-1.0070	0.0070	-0.3250	-0.0070	0.3287
12	1.64	-0.00	-0.0228	-0.0005	0.0069	0.0219	-0.3026	-0.9323	0.0109	-0.3060	-0.0117	0.3304
13	3.45	-0.00	-0.0157	-0.0003	0.0072	0.0152	-0.3655	-0.8523	0.0130	-0.2807	-0.0153	0.3293
14	5.09	-0.00	-0.0259	-0.0004	0.0072	0.0154	-0.2780	-0.7475	0.0132	-0.2806	-0.0177	0.3466
15	6.64	-0.00	-0.0340	-0.0002	0.0090	0.0059	-0.2647	-0.6636	0.0161	-0.2472	-0.0243	0.3724
16	8.34	-0.00	-0.0310	-0.0006	0.0108	0.0194	-0.3419	-0.5720	0.0157	-0.2354	-0.0344	0.4115
17	10.22	-0.00	-0.0224	-0.0022	0.0151	0.0582	-0.6527	-0.4688	0.0201	-0.2172	-0.0411	0.4444
18	11.97	-0.01	-0.0252	-0.0011	0.0157	0.0450	-0.6230	-0.4102	0.0186	-0.1910	-0.0453	0.4656
19	13.66	-0.01	-0.0254	-0.0022	0.0162	0.0656	-0.7185	-0.3195	0.0177	-0.1679	-0.0554	0.5255
20	15.42	-0.01	-0.0328	-0.0035	0.0170	0.1189	-0.9183	-0.2350	0.0163	-0.1347	-0.0639	0.5262
21	17.22	-0.01	-0.0372	-0.0055	0.0188	0.1478	-0.4516	-0.1882	0.0138	-0.1014	-0.0733	0.5388
22	18.99	-0.02	-0.0453	-0.0053	0.0238	0.2053	-0.5254	-0.1233	0.0119	-0.0764	-0.0965	0.6196
23	20.75	-0.02	-0.0752	-0.0178	0.0235	0.2367	-0.5125	-0.0791	0.0127	-0.0637	-0.1605	0.8053
24	22.50	-0.03	-0.1019	-0.0211	0.0180	0.2070	-0.1570	-0.0580	0.0150	-0.0508	-0.2678	0.9071
25	24.25	-0.03	-0.1222	-0.0253	0.0100	0.1388	0.0582	-0.0501	0.0194	-0.0493	-0.3872	0.9840
26	26.00	0.01	0.0151	-0.0026	0.0328	-0.1854	2.1722	0.0429	0.0196	-0.0130	0.4588	-0.3030
27	27.75	0.00	0.0188	-0.0015	0.0158	0.0798	-0.8298	0.0624	0.0242	-0.0090	0.3878	-0.1442
28	28.18	0.02	0.0382	-0.0014	0.0521	-0.0249	0.9270	0.0780	0.0242	-0.0038	0.3184	-0.0500
29	28.46	0.01	0.0109	-0.0020	0.0275	-0.1835	2.5596	0.0724	0.0250	-0.0054	0.3453	-0.0746
30	28.74	0.02	0.0600	-0.0015	0.0470	-0.0317	0.7853	0.0675	0.0257	0.0013	0.2537	0.0149
31	29.08	0.03	0.0505	-0.0009	0.0477	-0.0178	0.9466	0.0926	0.0288	0.0016	0.2894	0.0194
32	29.36	0.02	0.0450	-0.0013	0.0481	-0.0205	0.9416	0.0924	0.0275	0.0019	0.2476	0.0206
33	29.66	0.03	0.0415	0.0006	0.0405	-0.0143	0.9666	0.0907	0.0285	0.0011	0.3142	0.0121
34	29.94	0.03	0.0492	-0.0007	0.0463	-0.0142	0.9411	0.0957	0.0291	0.0029	0.3040	0.0303
35	30.23	0.05	0.0178	0.0002	0.0335	0.0112	1.9045	0.0922	0.0295	0.0013	0.3195	0.0141
36	30.50	0.04	0.0415	0.0024	0.0415	0.0578	1.0000	0.1023	0.0305	0.0043	0.2481	0.0420
37	30.76	0.04	0.0582	0.0018	0.0457	0.0275	0.7852	0.1019	0.0307	0.0058	0.3012	0.0550
38	31.04	0.04	-0.0551	0.0037	-0.0098	-0.0397	0.1053	0.0901	0.0322	-0.0013	0.3573	-0.0144
39	31.31	0.02	-0.1205	0.0038	-0.0240	-0.0314	0.1965	0.0949	0.0328	-0.0015	0.3456	-0.0158
40	31.58	0.03	-0.1330	0.0047	-0.0277	-0.0353	0.2363	0.0982	0.0334	0.0001	0.3401	0.0010
41	31.84	0.02	-0.1435	0.0056	-0.0328	-0.0393	0.2272	0.0984	0.0338	-0.0007	0.3506	-0.0073
42	32.11	0.03	-0.1403	0.0070	-0.0346	-0.0494	0.2466	0.1065	0.0340	0.0029	0.3152	0.0272
43	32.37	0.02	-0.1288	0.0059	-0.0288	-0.0485	0.2271	0.1291	0.0343	0.0106	0.2741	0.0847
44	32.62	0.02	-0.1312	0.0062	-0.0318	-0.0472	0.2424	0.1235	0.0343	0.0084	0.2777	0.0680
45	32.88	0.04	-0.1053	0.0054	-0.0225	-0.0660	0.2095	0.1368	0.0356	0.0137	0.2602	0.1001
46	33.14	0.02	-0.1145	0.0063	-0.0281	-0.0550	0.2454	0.1454	0.0346	0.0177	0.2379	0.1217

PAGE 2 OF 3
SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART		MACH		KATC-6		PHY		CCAF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		106		0.80		1.7		0.0		0.0		0		-30		0		-30		UNKNOWN	
PCINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2									
47	33.38	0.03	-0.1060	0.0075	-0.0223	-0.0707	0.2104	0.1470	0.0352	0.0186	0.2394	0.1263									
48	33.04	0.03	-0.1210	0.0062	-0.0277	-0.0678	0.2289	0.1520	0.0361	0.0177	0.2375	0.1164									
49	33.89	0.03	-0.1001	0.0050	-0.0218	-0.0979	0.2178	0.1655	0.0361	0.0250	0.2181	0.1511									
50	34.13	0.04	-0.1550	0.0125	-0.0265	-0.1262	0.2371	0.1734	0.0366	0.0313	0.2086	0.1784									
51	34.39	0.05	-0.0680	0.0115	-0.0182	-0.1343	0.1828	0.1941	0.0366	0.0382	0.1885	0.1568									
52	34.63	0.05	-0.0547	0.0140	-0.0197	-0.1478	0.2080	0.1955	0.0374	0.0411	0.1913	0.2102									
53	34.85	0.06	-0.1005	0.0154	-0.0214	-0.1526	0.2121	0.2056	0.0376	0.0461	0.1829	0.2242									
54	35.10	0.05	-0.1011	0.0151	-0.0205	-0.1493	0.2067	0.2161	0.0377	0.0524	0.1744	0.2425									
55	35.36	0.06	-0.0864	0.0178	-0.0161	-0.2080	0.1863	0.2193	0.0385	0.0541	0.1755	0.2467									
56	35.59	0.07	-0.0697	0.0166	-0.0156	-0.2096	0.1759	0.2227	0.0392	0.0531	0.1760	0.2384									
57	35.85	0.06	-0.1107	0.0180	-0.0226	-0.1626	0.2042	0.2326	0.0390	0.0600	0.1675	0.2577									
58	36.07	0.06	-0.0448	0.0205	-0.0141	-0.4306	0.0861	0.2534	0.0382	0.0665	0.1507	0.2624									
59	36.25	0.07	-0.0587	0.0196	-0.0157	-0.1538	0.1996	0.2378	0.0393	0.0618	0.1652	0.2595									
60	36.53	0.07	-0.1065	0.0197	-0.0156	-0.1856	0.1859	0.2633	0.0391	0.0721	0.1485	0.2738									
61	36.77	0.06	-0.1503	0.0193	-0.0368	-0.1264	0.2302	0.2502	0.0394	0.0664	0.1575	0.2654									
62	37.01	0.08	-0.1662	0.0208	-0.0435	-0.1256	0.2386	0.2536	0.0396	0.0660	0.1561	0.2603									
63	37.24	0.07	-0.2026	0.0132	-0.0467	-0.0651	0.2404	0.2656	0.0389	0.0724	0.1464	0.2726									
64	37.44	0.05	-0.2457	0.0055	-0.0640	-0.0387	0.2605	0.2367	0.0401	0.0551	0.1654	0.2328									
65	37.70	0.06	-0.2456	0.0057	-0.0592	-0.0388	0.2594	0.2576	0.0394	0.0657	0.1525	0.2550									
66	37.95	0.09	-0.2611	0.0003	-0.0596	-0.0611	0.2283	0.2542	0.0394	0.0654	0.1556	0.2573									
67	38.16	0.08	-0.2727	-0.0061	-0.0606	-0.0224	0.2230	0.2663	0.0336	0.0684	0.1445	0.2565									
68	38.40	0.06	-0.2664	-0.0054	-0.0502	-0.0201	0.2168	0.2764	0.0382	0.0728	0.1372	0.2615									
69	38.65	0.08	-0.2644	-0.0161	-0.0593	-0.0336	0.2385	0.2739	0.0378	0.0704	0.1386	0.2570									
70	38.87	0.09	-0.2503	-0.0212	-0.0585	-0.0730	0.2015	0.2757	0.0378	0.0699	0.1371	0.2535									
71	39.08	0.07	-0.2781	-0.0153	-0.0575	-0.0694	0.2088	0.2962	0.0371	0.0757	0.1252	0.2691									
72	39.30	0.08	-0.2723	-0.0225	-0.0533	-0.0641	0.1972	0.3038	0.0386	0.0818	0.1205	0.2693									
73	39.52	0.09	-0.2742	-0.0187	-0.0563	-0.0662	0.2053	0.3085	0.0367	0.0836	0.1188	0.2706									
74	39.71	0.06	-0.2535	-0.0138	-0.0505	-0.0544	0.1992	0.3175	0.0365	0.0864	0.1145	0.2721									
75	39.92	0.08	-0.2316	-0.0032	-0.0460	-0.0138	0.2073	0.3348	0.0354	0.0939	0.1057	0.2805									
76	40.13	0.07	-0.2315	-0.0067	-0.0447	-0.0209	0.1931	0.3313	0.0358	0.0936	0.1080	0.2825									
77	40.30	0.06	-0.2072	0.0056	-0.0415	-0.0280	0.2003	0.3366	0.0361	0.0937	0.1065	0.2766									
78	40.52	0.07	-0.1930	0.0015	-0.0335	-0.0078	0.1736	0.3554	0.0352	0.0957	0.0990	0.2805									
79	40.72	0.06	-0.1764	0.0039	-0.0261	-0.0219	0.1483	0.3590	0.0345	0.1000	0.0961	0.2841									
80	40.92	0.06	-0.1872	0.0029	-0.0306	-0.0155	0.1635	0.3640	0.0347	0.1038	0.0953	0.2852									
81	41.14	0.06	-0.1542	0.0077	-0.0228	-0.0495	0.1475	0.3729	0.0334	0.1072	0.0858	0.2875									
82	41.33	0.06	-0.1617	0.0036	-0.0236	-0.0223	0.1472	0.3768	0.0329	0.1096	0.0868	0.2899									
83	41.53	0.05	-0.1692	0.0036	-0.0266	-0.0213	0.1572	0.3768	0.0335	0.1085	0.0864	0.2864									
84	41.73	0.05	-0.1677	0.0030	-0.0255	-0.0175	0.1544	0.3875	0.0328	0.1112	0.0846	0.2876									
85	41.93	0.04	-0.1666	-0.0007	-0.0334	-0.0037	0.1786	0.3996	0.0318	0.1176	0.0756	0.2543									
86	42.13	0.05	-0.2164	0.0007	-0.0435	-0.0032	0.2010	0.3963	0.0323	0.1137	0.0815	0.2865									
87	42.31	0.04	-0.2224	-0.0015	-0.0453	-0.0085	0.1947	0.4102	0.0310	0.1202	0.0756	0.2936									
88	42.50	0.05	-0.2297	-0.0016	-0.0481	-0.0070	0.2094	0.4189	0.0306	0.1225	0.0730	0.2934									
89	42.68	0.05	-0.2358	-0.0013	-0.0517	-0.0054	0.2156	0.4181	0.0305	0.1227	0.0729	0.2935									
90	42.86	0.04	-0.2365	0.0031	-0.0665	-0.0121	0.2389	0.4207	0.0303	0.1227	0.0720	0.2917									
91	43.03	0.05	-0.2446	-0.0015	-0.0575	-0.0061	0.2349	0.4327	0.0298	0.1271	0.0685	0.2937									
92	43.21	0.06	-0.2567	-0.0043	-0.0660	-0.0167	0.2337	0.4446	0.0292	0.1314	0.0656	0.2954									

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI CNF1		DEL1 DEL2 DEL3 DEL4 TRANSITION							
7 loc loc 1.7			0.0 blue 1.4 C.C		U -30 0 -30 UNKNOWN							
PCINT	ALPHA	BETA	CNF1	CHI1	CHI2	XCFF1	YCPF1	CNF2	CHI2	CHI2	XCFF2	YCPF2
93	43.41	0.06	-0.2560	-0.0041	-0.0571	0.0160	0.2230	0.4413	0.0293	0.1294	0.0664	0.2932
94	43.00	0.06	-0.25140	-0.0058	-0.0682	0.0135	0.2490	0.4601	0.0284	0.1377	0.0617	0.2953
95	43.75	0.06	-0.2323	-0.0035	-0.0473	0.0168	0.2036	0.4481	0.0290	0.1334	0.0647	0.2977
96	43.55	0.05	-0.2513	-0.0041	-0.0605	0.0150	0.2365	0.4608	0.0288	0.1356	0.0625	0.2943
97	44.15	0.05	-0.2916	-0.0062	-0.0653	0.0213	0.2235	0.4711	0.0262	0.1351	0.0595	0.2953
98	44.32	0.07	-0.2114	-0.0076	-0.0315	0.0359	0.1909	0.4744	0.0290	0.1381	0.0611	0.2911
99	44.52	0.07	-0.2261	-0.0100	-0.0360	0.0442	0.1619	0.4795	0.0288	0.1405	0.0601	0.2930
100	44.70	0.07	-0.2435	-0.0101	-0.0398	0.0414	0.1632	0.4803	0.0289	0.1424	0.0602	0.2965
101	44.86	0.07	-0.2535	-0.0106	-0.0423	0.0417	0.1666	0.4829	0.0287	0.1446	0.0582	0.2934
102	45.05	0.07	-0.2664	-0.0087	-0.0557	0.0232	0.1731	0.4862	0.0290	0.1407	0.0596	0.2894
103	45.24	0.05	-0.3297	-0.0060	-0.0737	0.0162	0.2235	0.4962	0.0289	0.1476	0.0582	0.2975
104	45.42	0.06	-0.3463	-0.0041	-0.0760	0.0118	0.2182	0.4962	0.0293	0.1449	0.0590	0.2920
105	45.59	0.05	-0.3671	-0.0026	-0.0882	0.0071	0.2603	0.5065	0.0284	0.1484	0.0561	0.2930
106	45.75	0.04	-0.3813	-0.0026	-0.0924	0.0068	0.2436	0.5054	0.0286	0.1475	0.0566	0.2918
107	45.93	0.05	-0.3611	-0.0042	-0.0753	0.0116	0.2196	0.5105	0.0282	0.1495	0.0552	0.2938
108	46.11	0.05	-0.4167	-0.0062	-0.1062	0.0005	0.2536	0.5169	0.0262	0.1533	0.0543	0.2954
109	46.29	0.03	-0.3564	-0.0020	-0.1000	0.0050	0.2543	0.5225	0.0274	0.1535	0.0524	0.2938
110	46.43	0.04	-0.3760	-0.0033	-0.0846	0.0060	0.2250	0.5224	0.0279	0.1535	0.0534	0.2930
111	46.61	0.03	-0.4372	-0.0014	-0.1210	0.0032	0.2768	0.5293	0.0275	0.1541	0.0519	0.2911
112	46.79	0.03	-0.4155	-0.0021	-0.1112	0.0050	0.2648	0.5293	0.0271	0.1554	0.0512	0.2936
113	46.96	0.03	-0.4535	-0.0011	-0.1225	0.0024	0.2708	0.5359	0.0275	0.1587	0.0513	0.2961
114	47.13	0.03	-0.4364	-0.0037	-0.1172	0.0065	0.2686	0.5377	0.0274	0.1561	0.0510	0.2940
115	47.31	0.03	-0.4565	-0.0003	-0.1233	0.0007	0.2699	0.5428	0.0271	0.1605	0.0495	0.2957
116	47.49	0.04	-0.4621	0.00	-0.1025	0.00	0.2544	0.5409	0.0276	0.1611	0.0510	0.2978
117	47.65	0.03	-0.4337	-0.0023	-0.1120	0.0053	0.2596	0.5461	0.0275	0.1615	0.0504	0.2957
118	47.82	0.03	-0.4465	-0.0035	-0.1235	0.0007	0.2766	0.5528	0.0276	0.1634	0.0495	0.2956
119	47.99	0.04	-0.4571	-0.0030	-0.1248	0.0070	0.2730	0.5545	0.0275	0.1649	0.0496	0.2974
120	48.17	0.03	-0.4526	-0.0010	-0.1155	0.0022	0.2639	0.5561	0.0280	0.1651	0.0503	0.2965
121	48.35	0.03	-0.4802	-0.0005	-0.1335	0.0010	0.2785	0.5629	0.0275	0.1683	0.0488	0.2950
122	48.51	0.03	-0.4421	-0.0002	-0.1173	0.0005	0.2653	0.5610	0.0282	0.1682	0.0503	0.2958
123	48.66	0.02	-0.4665	-0.0021	-0.1250	0.0045	0.2680	0.5774	0.0272	0.1756	0.0471	0.3045
124	48.85	0.03	-0.4634	-0.0031	-0.1255	0.0066	0.2674	0.5757	0.0274	0.1756	0.0476	0.3046
125	49.01	0.01	-0.4756	-0.0025	-0.1104	0.0068	0.2594	0.5819	0.0269	0.1777	0.0462	0.3054
126	49.19	0.02	-0.4515	-0.0055	-0.1216	0.0117	0.2691	0.5920	0.0265	0.1835	0.0448	0.3106
127	49.35	0.02	-0.4601	-0.0057	-0.1260	0.0211	0.2739	0.6158	0.0252	0.1946	0.0405	0.3160
128	49.54	0.02	-0.4640	-0.0055	-0.1260	0.0205	0.2728	0.6170	0.0251	0.1956	0.0407	0.3170
129	49.70	0.02	-0.4463	-0.0061	-0.1204	0.0181	0.2698	0.6169	0.0261	0.1925	0.0423	0.3117
130	49.85	0.01	-0.4427	-0.0056	-0.1216	0.0124	0.2747	0.6182	0.0256	0.1906	0.0414	0.3083
131	50.03	0.00	-0.4320	-0.0054	-0.1196	0.0125	0.2773	0.6284	0.0254	0.1955	0.0404	0.3111
132	50.20	0.01	-0.4144	-0.0063	-0.1140	0.0200	0.2751	0.6004	0.0241	0.2092	0.0365	0.3166
133	50.37	0.00	-0.4541	-0.0132	-0.1241	0.0291	0.2733	0.6718	0.0247	0.2132	0.0368	0.3174
134	50.53	0.00	-0.4255	-0.0126	-0.1174	0.0298	0.2731	0.6702	0.0245	0.2110	0.0366	0.3148
135	50.70	0.00	-0.4599	-0.0197	-0.1292	0.0341	0.2722	0.7045	0.0239	0.2206	0.0339	0.3131
136	50.87	0.01	-0.4670	-0.0130	-0.1262	0.0285	0.2745	0.6990	0.0250	0.2124	0.0358	0.3035
137	51.02	0.00	-0.4655	-0.0218	-0.1243	0.0464	0.2647	0.7127	0.0241	0.2216	0.0338	0.3109
138	51.20	0.00	-0.4671	-0.0214	-0.1260	0.0456	0.2697	0.7122	0.0262	0.2139	0.0368	0.3003

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	X10-6	PNT CNF		L	DEL1		DEL2	DEL3	DEL4	TRANSITION	
			1	2		0	-30					
			0.00	0.00	0.00	0	-30	0	-30	UNKNOWN		
FCINT	ALPHA	BETA	CNF1	CNF2	CNF3	YCPF1	YCPF2	CNF4	CNF5	CNF6	YCPF3	YCPF4
139	51.36	0.01	-0.4628	-0.0204	-0.1288	0.0423	0.2089	0.0216	0.0219	0.2097	0.0398	0.2989
140	51.34	0.00	-0.4546	-0.0243	-0.1256	0.0491	0.2020	0.0793	0.0243	0.1784	0.0431	0.2921
141	51.71	0.02	-0.4672	-0.0315	-0.1260	0.0633	0.2534	0.0737	0.0315	0.1561	0.0468	0.2511
142	51.30	0.04	-0.4414	-0.0300	-0.1008	0.0661	0.2420	0.0871	0.0313	0.1555	0.0455	0.2504
143	52.04	0.02	-0.5157	-0.0343	-0.1340	0.0605	0.2598	0.0854	0.0313	0.1560	0.0457	0.2885
144	52.24	0.03	-0.4255	-0.0403	-0.1023	0.0590	0.2432	0.0601	0.0330	0.1429	0.0485	0.2836
145	52.40	0.07	-0.4224	-0.0355	-0.0553	0.0544	0.2351	0.0627	0.0345	0.1542	0.0511	0.2845
146	52.30	0.05	-0.4511	-0.0302	-0.1183	0.0602	0.2574	0.0604	0.0338	0.1538	0.0452	0.2823
147	52.73	0.06	-0.4270	-0.0351	-0.1077	0.0622	0.2522	0.0691	0.0339	0.1552	0.0452	0.2833
148	52.32	0.08	-0.3445	-0.0373	-0.0602	0.1063	0.2340	0.0690	0.0368	0.1550	0.0526	0.2798
149	53.07	0.06	-0.3511	-0.0375	-0.0544	0.0555	0.2414	0.0601	0.0368	0.1517	0.0530	0.2778
150	53.25	0.08	-0.3630	-0.0378	-0.0641	0.1035	0.2312	0.0704	0.0364	0.1472	0.0514	0.2788
151	53.40	0.09	-0.3853	-0.0422	-0.0656	0.1143	0.2316	0.0699	0.0375	0.1504	0.0549	0.2760
152	53.58	0.05	-0.3228	-0.0404	-0.0710	0.1254	0.2218	0.0692	0.0354	0.1600	0.0572	0.2737
153	53.74	0.05	-0.1541	-0.0337	-0.0350	0.1736	0.2039	0.0700	0.0412	0.1785	0.0615	0.2670
154	53.41	0.10	-0.1414	-0.0311	-0.0201	0.2195	0.1421	0.0575	0.0408	0.1760	0.0620	0.2677
155	54.07	0.11	-0.0652	-0.0205	-0.0044	0.3144	0.0875	0.0399	0.0431	0.1650	0.0673	0.2575
156	54.23	0.05	-0.0614	-0.0236	-0.0061	0.2801	0.0745	0.0453	0.0430	0.1694	0.0608	0.2625
157	54.39	0.05	-0.0152	-0.0120	0.0081	0.7694	0.5329	0.0096	0.0431	0.1556	0.0707	0.2556
158	54.57	0.10	0.0225	-0.0069	0.0208	-0.3955	0.9244	0.0165	0.0426	0.1541	0.0691	0.2581
159	54.71	0.05	-0.0000	-0.0085	0.0164	10.6236	-20.5000	0.0166	0.0425	0.1564	0.0685	0.2565
160	54.87	0.10	0.0173	-0.0004	0.0207	-0.3659	1.1905	0.0096	0.0445	0.1565	0.0736	0.2567
161	55.02	0.08	-0.0103	-0.0066	0.0137	0.6407	-1.3301	0.0048	0.0437	0.1532	0.0722	0.2533
162	55.18	0.08	0.0052	-0.0072	0.0172	-1.3844	3.3077	0.0049	0.0426	0.1552	0.0707	0.2566
163	55.33	0.07	0.0014	-0.0035	0.0163	-2.4597	13.0714	0.0006	0.0457	0.1481	0.0774	0.2508
164	55.48	0.08	-0.0138	-0.0070	0.0173	0.5072	-1.2536	0.0115	0.0446	0.1507	0.0729	0.2545
165	55.65	0.09	-0.0242	-0.0077	0.0126	0.3161	-0.5207	0.0083	0.0454	0.1541	0.0746	0.2533
166	55.83	0.07	-0.0318	-0.0080	0.0111	0.2515	-0.3491	0.0047	0.0424	0.1636	0.0608	0.2578
167	56.00	0.06	-0.0245	-0.0075	0.0153	0.3224	-0.6245	0.0033	0.0454	0.1503	0.0752	0.2491
168	56.14	0.05	-0.0183	-0.0103	0.0154	0.5620	-1.0601	0.0280	0.0440	0.1582	0.0701	0.2516
169	56.31	0.07	-0.0184	-0.0065	0.0161	0.3532	-0.6750	0.0053	0.0458	0.1516	0.0757	0.2505
170	56.45	0.06	-0.0363	-0.0090	0.0104	0.2479	-0.2805	0.0192	0.0446	0.1575	0.0720	0.2544
171	56.63	0.06	-0.0244	-0.0067	0.0141	0.2746	-0.5779	0.0200	0.0431	0.1572	0.0695	0.2535
172	56.79	0.05	-0.0333	-0.0060	0.0066	0.1802	-0.2583	0.0146	0.0442	0.1540	0.0715	0.2515
173	56.95	0.04	-0.0167	-0.0038	0.0133	0.2874	-0.7964	0.0208	0.0435	0.1592	0.0654	0.2540
174	57.14	0.07	-0.0244	-0.0054	0.0125	0.2418	-0.5207	0.0260	0.0442	0.1562	0.0705	0.2541
175	57.29	0.07	-0.0330	-0.0054	0.0100	0.2848	-0.3030	0.0399	0.0434	0.1653	0.0678	0.2583
176	57.45	0.07	-0.0173	-0.0066	0.0134	0.0347	-0.7746	0.0074	0.0450	0.1550	0.0751	0.2516
177	57.61	0.06	-0.0235	-0.0061	0.0112	0.3385	-0.4666	0.0317	0.0439	0.1617	0.0695	0.2580
178	57.75	0.03	0.0010	0.0014	0.0155	1.8497	15.9000	0.0142	0.0455	0.1562	0.0741	0.2543
179	57.86	0.02	-0.0110	0.0003	0.0125	-0.0273	-1.1727	0.0195	0.0447	0.1587	0.0721	0.2562
180	58.05	0.00	-0.0291	-0.0004	0.0062	0.0137	-0.2818	0.0100	0.0456	0.1541	0.0747	0.2526
181	58.19	0.04	-0.0056	0.00	0.0143	0.0	-1.4895	0.0118	0.0452	0.1545	0.0739	0.2572
182	58.29	0.03	-0.0063	0.0010	0.0161	-0.1265	-1.9277	0.0015	0.0460	0.1507	0.0765	0.2505
183	58.30	0.05	-0.0156	0.0014	0.0126	-0.0686	-0.7975	0.0198	0.0455	0.1565	0.0734	0.2523
184	58.30	0.01	-0.0175	0.0017	0.0125	-0.0471	-0.7145	0.0210	0.0452	0.1575	0.0728	0.2538

PAGE 3 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PAGE AXIS-6			PHI	CORR	DEL1	DEL2	DEL3	DEL4	TRANSITION			
7 100 0.00 0.0			0.0	0.00014	0.0	0	-30	0	-30 UNKNOWN			
PLINT	ALPHA	BETA	CNF3	CH3	CH3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.72	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-1.2142	-0.0425	-0.2957	0.0350	0.2435
2	-5.72	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	-1.2162	-0.0425	-0.2957	0.0348	0.2426
3	-5.72	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	-1.2143	-0.0425	-0.2957	0.0350	0.2440
4	-5.72	0.04	0.0000	0.0000	0.0000	0.0000	0.0000	-1.2031	-0.0432	-0.2911	0.0359	0.2420
5	-5.73	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	-1.2215	-0.0423	-0.2968	0.0346	0.2430
6	-5.84	0.06	0.0000	0.0000	0.0000	0.0000	0.0000	-1.2013	-0.0407	-0.2884	0.0339	0.2401
7	-5.84	0.07	0.0000	0.0000	0.0000	0.0000	0.0000	-1.2089	-0.0401	-0.2914	0.0332	0.2410
8	-5.21	0.08	0.0000	0.0000	0.0000	0.0000	0.0000	-1.2399	-0.0271	-0.2965	0.0219	0.2407
9	-3.47	0.09	0.0000	0.0000	0.0000	0.0000	0.0000	-1.2718	-0.0033	-0.3109	0.0065	0.2445
10	-1.80	0.10	0.0000	0.0000	0.0000	0.0000	0.0000	-1.2077	-0.0018	-0.3001	0.0015	0.2485
11	-0.07	0.11	0.0000	0.0000	0.0000	0.0000	0.0000	-1.1307	0.0047	-0.2840	-0.0042	0.2512
12	1.04	0.12	0.0000	0.0000	0.0000	0.0000	0.0000	-1.0439	0.0069	-0.2627	-0.0066	0.2517
13	3.45	0.13	0.0000	0.0000	0.0000	0.0000	0.0000	-0.9529	0.0083	-0.2393	-0.0087	0.2511
14	5.04	0.14	0.0000	0.0000	0.0000	0.0000	0.0000	-0.8617	0.0092	-0.2137	-0.0107	0.2480
15	6.84	0.15	0.0000	0.0000	0.0000	0.0000	0.0000	-0.7825	0.0117	-0.2021	-0.0150	0.2583
16	8.54	0.16	0.0000	0.0000	0.0000	0.0000	0.0000	-0.6836	0.0158	-0.1936	-0.0231	0.2831
17	10.22	0.17	0.0000	0.0000	0.0000	0.0000	0.0000	-0.6233	0.0156	-0.1737	-0.0268	0.2781
18	11.97	0.18	0.0000	0.0000	0.0000	0.0000	0.0000	-0.5349	0.0162	-0.1404	-0.0303	0.2737
19	13.66	0.19	0.0000	0.0000	0.0000	0.0000	0.0000	-0.4547	0.0151	-0.1153	-0.0332	0.2536
20	15.42	0.20	0.0000	0.0000	0.0000	0.0000	0.0000	-0.3703	0.0131	-0.0867	-0.0354	0.2341
21	17.22	0.21	0.0000	0.0000	0.0000	0.0000	0.0000	-0.2764	0.0137	-0.0568	-0.0387	0.2055
22	18.99	0.22	0.0000	0.0000	0.0000	0.0000	0.0000	-0.1933	0.0080	-0.0253	-0.0414	0.1305
23	20.75	0.23	0.0000	0.0000	0.0000	0.0000	0.0000	-0.1250	0.0072	-0.0016	-0.0573	0.0127
24	22.50	0.24	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0777	0.0089	0.0167	-0.1145	-0.2149
25	24.25	0.25	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0323	0.0098	0.0360	-0.4803	-1.7647
26	26.00	0.26	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0863	0.0172	0.0207	-0.2594	-0.3122
27	27.75	0.27	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0206	0.0194	0.0376	-0.5416	-1.8252
28	29.50	0.28	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0294	0.0200	0.0306	-0.6688	-1.0234
29	31.25	0.29	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0191	0.0198	0.0378	-1.0365	-1.9791
30	33.00	0.30	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0215	0.0206	0.0359	-0.9580	-1.6658
31	34.75	0.31	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0354	0.0214	0.0424	-2.6746	-5.3000
32	36.50	0.32	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0443	0.0212	0.0426	-4.9256	-9.9070
33	38.25	0.33	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0462	0.0217	0.0467	-5.1660	-11.1191
34	39.99	0.34	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0467	0.0232	0.0473	-2.7948	5.6588
35	41.75	0.35	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0415	0.0222	0.0509	-1.3787	3.1615
36	43.50	0.36	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0312	0.0232	0.0555	0.7435	1.7788
37	45.25	0.37	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0256	0.0235	0.0531	0.5178	2.0742
38	47.00	0.38	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0206	0.0216	0.0744	0.2700	0.9300
39	48.75	0.39	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0048	0.0213	0.0777	0.2305	0.8409
40	50.50	0.40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0071	0.0220	0.0769	0.2265	0.8126
41	52.25	0.41	0.0000	0.0000	0.0000	0.0000	0.0000	0.0167	0.0214	0.0875	0.1803	0.7372
42	54.00	0.42	0.0000	0.0000	0.0000	0.0000	0.0000	0.1106	0.0216	0.0882	0.1821	0.7437
43	55.75	0.43	0.0000	0.0000	0.0000	0.0000	0.0000	0.1323	0.0220	0.0919	0.1663	0.6546
44	57.50	0.44	0.0000	0.0000	0.0000	0.0000	0.0000	0.1318	0.0227	0.0920	0.1722	0.6980
45	59.25	0.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.1614	0.0208	0.1049	0.1289	0.6499
46	61.00	0.46	0.0000	0.0000	0.0000	0.0000	0.0000	0.1491	0.0231	0.0980	0.1549	0.6573

PAGE 3 OF 3
SHEET 2 OF 4

PARTIN MISSILE TAILS EFFECTS DATA

TEST PART HACH RX10-6			PHI CNLF		C		CEL1	DEL2	CEL3	DEL4	TRANSITION	
7 106 U.EC 1.7			C.O B10P14		C.C		0	-30	0	-30	UNKNOWN	
PLINT	ALPHA	delta	CNF3	CH3	CH3	XCPF3	YCPF3	CNF4	CH4	C84	XCPF4	YCPF4
47	33.38	0.03	0.0325	5.5555	-0.0183	5.5555	-0.5031	0.1569	0.0221	0.1022	0.1408	0.6514
48	33.64	0.03	0.0325	5.5555	-0.0162	5.5555	-0.3724	0.1656	0.0214	0.1126	0.1153	0.6067
49	33.83	0.03	0.0328	5.5555	-0.0160	5.5555	-0.4278	0.1985	0.0207	0.1193	0.1043	0.6010
50	34.13	0.04	0.0313	5.5555	-0.0160	5.5555	-0.4367	0.2220	0.0186	0.1310	0.0834	0.5874
51	34.39	0.05	0.0465	5.5555	-0.0135	5.5555	-0.2903	0.2407	0.0184	0.1369	0.0764	0.5688
52	34.63	0.05	0.0526	5.5555	-0.0175	5.5555	-0.4916	0.2465	0.0175	0.1405	0.0704	0.5654
53	34.85	0.06	0.0415	5.5555	-0.0158	5.5555	-0.3771	0.2782	0.0155	0.1546	0.0557	0.5557
54	35.10	0.05	0.0514	5.5555	-0.0138	5.5555	-0.2665	0.2888	0.0162	0.1577	0.0561	0.5461
55	35.36	0.06	0.0545	5.5555	-0.0117	5.5555	-0.2147	0.3097	0.0143	0.1686	0.0462	0.5444
56	35.59	0.07	0.0544	5.5555	-0.0105	5.5555	-0.1930	0.3437	0.0136	0.1814	0.0396	0.5278
57	35.83	0.06	0.0625	5.5555	-0.0117	5.5555	-0.2516	0.3437	0.0136	0.1821	0.0396	0.5298
58	36.07	0.06	0.0736	5.5555	-0.0077	5.5555	-0.1305	0.3221	0.0166	0.1733	0.0515	0.5380
59	36.25	0.07	0.0513	5.5555	-0.0113	5.5555	-0.2203	0.3583	0.0130	0.1889	0.0363	0.5272
60	36.33	0.07	0.0421	5.5555	-0.0104	5.5555	-0.2162	0.3406	0.0123	0.2022	0.0315	0.5177
61	36.77	0.06	0.0418	5.5555	-0.0105	5.5555	-0.2658	0.4120	0.0107	0.2109	0.0260	0.5115
62	37.01	0.08	0.0415	5.5555	-0.0121	5.5555	-0.2588	0.4247	0.0104	0.2163	0.0245	0.5053
63	37.24	0.07	0.0421	5.5555	-0.0104	5.5555	-0.2162	0.4797	0.0078	0.2387	0.0163	0.4976
64	37.49	0.08	0.0305	5.5555	-0.0101	5.5555	-0.5210	0.4757	0.0084	0.2360	0.0177	0.4961
65	37.70	0.08	0.0420	5.5555	-0.0121	5.5555	-0.2581	0.5014	0.0084	0.2461	0.0168	0.4908
66	37.95	0.05	0.0356	5.5555	-0.0133	5.5555	-0.3730	0.5241	0.0064	0.2552	0.0122	0.4865
67	38.18	0.08	0.0215	5.5555	-0.0175	5.5555	-0.1840	0.5376	0.0067	0.2583	0.0124	0.4785
68	38.40	0.08	0.0325	5.5555	-0.0141	5.5555	-0.4330	0.5453	0.0064	0.2607	0.0117	0.4781
69	38.65	0.06	0.0283	5.5555	-0.0171	5.5555	-0.6502	0.5536	0.0085	0.2608	0.0154	0.4711
70	38.87	0.05	0.0255	5.5555	-0.0175	5.5555	-0.5932	0.5461	0.0112	0.2544	0.0205	0.4658
71	39.08	0.07	0.0155	5.5555	-0.0248	5.5555	-1.6000	0.5426	0.0112	0.2541	0.0206	0.4683
72	39.30	0.08	0.0265	5.5555	-0.0203	5.5555	-0.7666	0.5397	0.0140	0.2440	0.0255	0.4614
73	39.52	0.05	0.0265	5.5555	-0.0158	5.5555	-0.7396	0.5513	0.0128	0.2549	0.0232	0.4624
74	39.71	0.08	0.0370	5.5555	-0.0166	5.5555	-0.5000	0.5517	0.0123	0.2548	0.0223	0.4618
75	39.92	0.06	0.0360	5.5555	-0.0163	5.5555	-0.5083	0.5631	0.0114	0.2613	0.0202	0.4640
76	40.13	0.07	0.0217	5.5555	-0.0266	5.5555	-0.8443	0.5653	0.0109	0.2640	0.0193	0.4670
77	40.30	0.08	0.0325	5.5555	-0.0175	5.5555	-0.5441	0.5588	0.0115	0.2621	0.0206	0.4690
78	40.52	0.07	0.0256	5.5555	-0.0162	5.5555	-0.6145	0.5701	0.0114	0.2604	0.0200	0.4673
79	40.72	0.06	0.0454	5.5555	-0.0144	5.5555	-0.5172	0.5905	0.0102	0.2742	0.0173	0.4643
80	40.92	0.06	0.0464	5.5555	-0.0184	5.5555	-0.6910	0.5867	0.0106	0.2707	0.0181	0.4614
81	41.14	0.06	0.0327	5.5555	-0.0166	5.5555	-0.4893	0.5790	0.0114	0.2704	0.0197	0.4676
82	41.33	0.06	0.0327	5.5555	-0.0155	5.5555	-0.4740	0.5865	0.0120	0.2716	0.0204	0.4615
83	41.53	0.05	0.0351	5.5555	-0.0143	5.5555	-0.3857	0.5890	0.0136	0.2687	0.0231	0.4582
84	41.73	0.05	0.0327	5.5555	-0.0155	5.5555	-0.4740	0.5411	0.0132	0.2688	0.0223	0.4547
85	41.93	0.04	0.0255	5.5555	-0.0191	5.5555	-0.5119	0.5839	0.0135	0.2589	0.0264	0.4434
86	42.13	0.05	0.0254	5.5555	-0.0150	5.5555	-0.5102	0.5756	0.0163	0.2550	0.0283	0.4430
87	42.31	0.04	0.0278	5.5555	-0.0145	5.5555	-0.5216	0.5711	0.0176	0.2510	0.0305	0.4399
88	42.50	0.05	0.0278	5.5555	-0.0134	5.5555	-0.5000	0.5671	0.0180	0.2462	0.0317	0.4377
89	42.68	0.05	0.0263	5.5555	-0.0144	5.5555	-0.4915	0.5710	0.0183	0.2458	0.0320	0.4301
90	42.86	0.04	0.0253	5.5555	-0.0144	5.5555	-0.4915	0.5674	0.0185	0.2430	0.0326	0.4279
91	43.03	0.05	0.0253	5.5555	-0.0144	5.5555	-0.4915	0.5706	0.0195	0.2415	0.0342	0.4232
92	43.21	0.06	0.0323	5.5555	-0.0116	5.5555	-0.3541	0.5642	0.0204	0.2361	0.0370	0.4185

MARTIN MISSILE TAILS EFFECTS DATA

AEDC-TR-75-125

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		PACH RX10-6		PHI		CGRF		C		CEL1		DEL2		CEL3		DEL4		TRANSITION	
1		106 U.O.C 1.7		J.C		B10UF14		C.C		0		-30		0		-30		UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CH3	CB3	ACPF3	YCPF3	CNF4	CH4	CB4	ACPF4	YCPF4							
139	51.36	0.01	0.0037	5.5555	-0.0102	5.5559	-2.7568	0.5331	0.0449	0.1895	0.0842	0.3555							
140	51.54	0.00	0.0115	5.5555	-0.0076	5.5559	-0.6703	0.5120	0.0402	0.1817	0.0901	0.3545							
141	51.71	0.02	0.0115	5.5555	-0.0065	5.5559	-0.5652	0.4831	0.0502	0.1719	0.1039	0.3558							
142	51.90	0.04	0.0155	5.5555	-0.0076	5.5559	-0.4000	0.4507	0.0512	0.1646	0.1121	0.3604							
143	52.04	0.02	0.0147	5.5555	-0.0081	5.5559	-0.3510	0.4932	0.0496	0.1761	0.1010	0.3571							
144	52.24	0.05	0.0250	5.5555	-0.0040	5.5559	-0.1800	0.4508	0.0520	0.1637	0.1153	0.3631							
145	52.40	0.07	0.0251	5.5555	-0.0054	5.5559	-0.2053	0.4508	0.0510	0.1643	0.1131	0.3645							
146	52.50	0.05	0.0182	5.5555	-0.0045	5.5559	-0.3025	0.4808	0.0489	0.1733	0.1017	0.3604							
147	52.73	0.06	0.0355	5.5555	-0.0034	5.5559	-0.0958	0.4655	0.0501	0.1690	0.1075	0.3627							
148	52.92	0.08	0.0250	5.5555	-0.0014	5.5559	-0.0485	0.4699	0.0496	0.1731	0.1055	0.3684							
149	53.07	0.06	0.0291	5.5555	-0.0021	5.5559	-0.0722	0.4684	0.0507	0.1707	0.1087	0.3660							
150	53.25	0.06	0.0243	5.5555	-0.0031	5.5559	-0.1276	0.4700	0.0500	0.1755	0.1062	0.3729							
151	53.40	0.09	0.0354	5.5555	-0.0005	5.5559	-0.0254	0.4556	0.0533	0.1686	0.1170	0.3701							
152	53.59	0.04	0.0355	5.5555	-0.0005	5.5559	-0.0254	0.4617	0.0536	0.1720	0.1161	0.3725							
153	53.74	0.05	0.0322	5.5555	-0.0005	5.5559	-0.0000	0.4632	0.0514	0.1830	0.1064	0.3787							
154	53.91	0.10	0.0442	5.5555	-0.0006	5.5559	-0.0248	0.4739	0.0531	0.1763	0.1120	0.3762							
155	54.07	0.11	0.0307	5.5555	-0.0005	5.5559	-0.0163	0.4985	0.0513	0.1857	0.1029	0.3725							
156	54.23	0.05	0.0324	5.5555	-0.0031	5.5559	-0.0357	0.5241	0.0491	0.1641	0.0937	0.3703							
157	54.39	0.09	0.0324	5.5555	-0.0043	5.5559	-0.1327	0.5318	0.0494	0.1478	0.0929	0.3719							
158	54.57	0.10	0.0323	5.5555	-0.0037	5.5559	-0.1140	0.5396	0.0485	0.2008	0.0859	0.3721							
159	54.71	0.09	0.0323	5.5555	-0.0024	5.5559	-0.0743	0.5336	0.0493	0.1965	0.0924	0.3683							
160	54.87	0.10	0.0420	5.5555	-0.0025	5.5559	-0.1124	0.5457	0.0483	0.2008	0.0885	0.3680							
161	55.02	0.08	0.0273	5.5555	-0.0010	5.5559	-0.0366	0.5309	0.0485	0.1966	0.0921	0.3763							
162	55.18	0.06	0.0360	5.5555	-0.0015	5.5559	-0.0492	0.5358	0.0495	0.1984	0.0924	0.3703							
163	55.33	0.07	0.0360	5.5555	-0.0013	5.5559	-0.0337	0.5457	0.0491	0.1991	0.0898	0.3642							
164	55.48	0.06	0.0257	5.5555	-0.0017	5.5559	-0.0601	0.5367	0.0490	0.1961	0.0913	0.3654							
165	55.65	0.09	0.0353	5.5555	-0.0022	5.5559	-0.0623	0.5316	0.0509	0.1948	0.0957	0.3663							
166	55.83	0.07	0.0354	5.5555	-0.0034	5.5559	-0.0700	0.5318	0.0508	0.1946	0.0955	0.3663							
167	56.00	0.08	0.0353	5.5555	-0.0022	5.5559	-0.0623	0.5433	0.0498	0.1987	0.0916	0.3657							
168	56.14	0.05	0.0353	5.5555	-0.0022	5.5559	-0.0623	0.5437	0.0500	0.1965	0.0920	0.3651							
169	56.31	0.07	0.0353	5.5555	-0.0022	5.5559	-0.0623	0.5476	0.0496	0.2000	0.0906	0.3652							
170	56.44	0.06	0.0360	5.5555	-0.0014	5.5559	-0.0380	0.5301	0.0504	0.1975	0.0933	0.3670							
171	56.63	0.06	0.0360	5.5555	-0.0014	5.5559	-0.0486	0.5324	0.0517	0.1945	0.0971	0.3653							
172	56.79	0.05	0.0440	5.5555	-0.0018	5.5559	-0.0750	0.5308	0.0513	0.1930	0.0966	0.3636							
173	56.95	0.04	0.0321	5.5555	-0.0037	5.5559	-0.1153	0.5300	0.0524	0.1938	0.0985	0.3657							
174	57.14	0.07	0.0161	5.5555	-0.0037	5.5559	-0.2290	0.5446	0.0519	0.1967	0.0953	0.3648							
175	57.29	0.07	0.0285	5.5555	-0.0021	5.5559	-0.0727	0.5454	0.0523	0.1991	0.0959	0.3631							
176	57.45	0.07	0.0257	5.5555	-0.0035	5.5559	-0.1302	0.5426	0.0520	0.1959	0.0958	0.3610							
177	57.61	0.06	0.0152	5.5555	-0.0010	5.5559	-0.0521	0.5294	0.0532	0.1926	0.1009	0.3638							
178	57.75	0.03	0.0161	5.5555	-0.0031	5.5559	-0.1925	0.5357	0.0518	0.1921	0.0967	0.3586							
179	57.88	0.02	0.0061	5.5555	-0.0025	5.5559	-0.3086	0.5284	0.0520	0.1903	0.0984	0.3601							
180	58.05	0.06	0.0057	5.5555	-0.0025	5.5559	-0.2990	0.5298	0.0518	0.1898	0.0978	0.3582							
181	58.19	0.04	0.0200	5.5555	-0.0027	5.5559	-0.1298	0.5208	0.0524	0.1880	0.1006	0.3573							
182	58.40	0.05	0.0050	5.5555	-0.0017	5.5559	-0.1771	0.5333	0.0518	0.1881	0.0971	0.3527							
183	58.30	0.05	0.0057	5.5555	-0.0036	5.5559	-0.3711	0.5341	0.0522	0.1898	0.0977	0.3554							
184	58.30	0.01	0.0126	5.5555	-0.0015	5.5559	-0.1172	0.5447	0.0513	0.1933	0.0942	0.3544							

PAGE 1 OF 3
SHEET 1 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART	MACF	RATIO-6	PHI	CONF	L	DELI	DELZ	CEL3	CEL4	TRANSITION	
1	107	0.50	1.07	0.0	0.0	0.0	0.0	0.0	0.0	UNKNOWN	
PCINT	ALPHA	BETA	LN	CLM	CV	CLN	CLL	CA	LAB	CAF	XCP
1	-5.69	0.00	-2.1742	7.5125	-0.1074	-0.0608	0.0152	1.2033	0.3943	0.0890	-3.4553
2	-5.69	0.01	-2.2152	7.5445	0.0842	-0.0393	0.0088	1.2925	0.3567	0.8958	-3.4059
3	-5.67	0.01	-2.1265	7.4254	0.0092	0.0771	0.0024	1.2802	0.3855	0.9027	-3.5201
4	-3.70	0.01	-2.0011	7.7031	0.1050	-0.0398	0.0546	1.2000	0.2015	0.9245	-3.7399
5	-2.07	0.01	-1.9320	7.7015	0.0285	-0.0652	0.0102	1.1232	0.1892	0.5340	-4.0173
6	-0.31	0.02	-1.7064	7.3675	0.1444	-0.1741	0.0109	1.0032	0.1773	0.9059	-4.3176
7	1.42	0.00	-1.4855	6.9320	0.0532	-0.0599	0.0112	1.0408	0.1752	0.8656	-4.6657
8	3.20	0.01	-1.2326	6.3408	0.1107	-0.1710	0.0180	0.9740	0.1700	0.8046	-5.1441
9	4.93	0.00	-0.9513	5.8450	0.0362	-0.1155	0.0163	0.9244	0.1717	0.7527	-5.8982
10	6.70	0.00	-0.7353	5.3255	0.0737	-0.1580	0.0169	0.8600	0.1696	0.6905	-7.2042
11	8.45	-0.01	-0.4710	4.8720	-0.0071	0.0112	0.0162	0.8001	0.1725	0.6276	-10.3443
12	10.17	-0.01	-0.2169	4.4067	0.0058	-0.0013	0.0201	0.7447	0.1776	0.5671	-20.3248
13	11.97	-0.00	0.0323	3.9254	0.0307	-0.0301	0.0267	0.6805	0.1834	0.5051	121.4070
14	13.71	-0.00	0.3520	3.4044	0.0555	0.0045	0.0273	0.6342	0.1871	0.4471	9.8425
15	15.34	-0.01	0.6500	2.9440	-0.0435	0.0769	0.0276	0.5621	0.1903	0.3718	4.5257
16	17.30	-0.00	0.9560	2.5254	0.0023	0.1542	0.0344	0.5029	0.1957	0.3072	2.6405
17	19.10	-0.01	1.2025	2.1328	-0.1244	0.5222	0.0342	0.4453	0.2051	0.2402	1.6536
18	20.99	-0.05	1.5533	1.7333	0.5013	1.4402	0.0389	0.4034	0.2175	0.1859	1.2446
19	22.01	-0.04	1.8566	1.7686	-0.5355	1.4757	0.0271	0.3590	0.2297	0.1254	0.9516
20	24.01	-0.05	2.1400	1.6901	-0.7445	2.4075	0.0050	0.3204	0.2430	0.0845	0.7898
21	26.72	-0.01	2.3854	2.0658	-0.0435	0.0678	0.0471	0.2817	0.2370	0.0441	0.6046
22	28.21	0.02	2.0525	2.3310	0.2750	-0.4313	0.0554	0.2390	0.2430	-0.0040	0.6657
23	28.24	0.0	2.6734	2.2800	-0.0263	0.7545	0.0354	0.2405	0.2426	-0.0021	0.6551
24	28.24	0.00	2.6631	2.3236	-0.0004	0.2958	0.0340	0.2404	0.2442	-0.0038	0.6726
25	28.48	0.02	2.7473	2.3630	0.1531	-0.2276	0.0445	0.2365	0.2459	-0.0094	0.6674
26	28.70	0.03	2.6324	2.3051	0.3558	-0.5442	0.0632	0.2377	0.2466	-0.0065	0.6421
27	29.13	0.05	2.9094	2.4025	0.5245	-0.7774	0.0705	0.2184	0.2491	-0.0307	0.6091
28	29.42	0.03	2.5585	2.5004	0.2837	-0.3200	0.0573	0.2225	0.2520	-0.0303	0.6358
29	29.71	0.06	3.1014	2.3152	0.6005	-1.2580	0.1042	0.2233	0.2574	-0.0361	0.7506
30	30.00	0.07	3.2058	2.4062	0.7984	-1.1005	0.1044	0.2020	0.2622	-0.0062	0.7506
31	30.25	0.07	3.3055	2.4573	0.7532	-0.6847	0.0766	0.1943	0.2606	-0.0725	0.7545
32	30.50	0.05	3.4440	2.4548	0.4654	-0.0809	0.0698	0.1900	0.2710	-0.0010	0.7128
33	30.81	0.07	3.4283	2.4643	0.6051	-0.4700	0.0909	0.2040	0.2657	-0.0657	0.7246
34	31.10	0.05	3.5580	2.0153	0.4441	0.1401	0.0640	0.1891	0.2754	-0.1004	0.7349
35	31.37	0.05	3.0746	2.5250	0.3550	0.2545	0.0704	0.1891	0.2771	-0.0800	0.6874
36	31.65	0.06	3.7773	2.0470	0.4082	0.1951	0.0774	0.1767	0.2771	-0.1005	0.7007
37	31.91	0.04	3.8058	2.6566	0.3374	0.4164	0.0773	0.1779	0.2826	-0.1050	0.6837
38	32.19	0.04	4.0259	2.0163	0.3087	0.5347	0.0640	0.1590	0.2810	-0.1227	0.6596
39	32.45	0.02	4.0255	2.7652	0.2550	0.4120	0.0710	0.1640	0.2803	-0.1158	0.6869
40	32.71	0.02	4.0261	2.8000	0.1916	0.4451	0.0700	0.1691	0.2845	-0.1155	0.6864
41	32.98	0.04	4.2285	3.1450	0.5307	-0.2543	0.0942	0.1637	0.2754	-0.1118	0.7382
42	33.24	0.03	4.3326	3.0751	0.3700	-0.3097	0.1014	0.1408	0.2766	-0.1279	0.7058
43	33.49	0.05	4.4283	3.4755	0.7578	-1.4693	0.1102	0.1353	0.2717	-0.1365	0.7848
44	33.75	0.03	4.4957	3.5763	0.5804	-1.2511	0.0911	0.1304	0.2709	-0.1341	0.7948
45	33.95	0.04	4.6275	3.4454	0.6351	-1.4248	0.1171	0.1219	0.2750	-0.1532	0.7445
46	34.20	0.02	4.0763	3.0255	0.3999	-1.1655	0.0915	0.1203	0.2710	-0.1514	0.7753

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACT	KXIG-6	PHI	CONF	L	DECI	DEL2	DEL3	DEL4	TRANSITION	
7	107	U-90	1.7	U.C	B10CF14	U.O	U	-30	U	-30	UNKNOWN
PCINT	ALPHA	BETA	CLN	CLM	CLY	CLN	CLL	LA	CAB	CAF	XCP
47	34.53	0.03	4.8054	3.8479	0.4679	-0.7633	0.0795	0.1024	0.2708	-0.1685	0.8001
48	34.77	0.02	4.6782	3.5031	0.3503	-0.8142	0.0795	0.0994	0.2709	-0.1716	0.6660
49	35.00	0.03	4.9511	4.1273	0.4732	-0.7015	0.0736	0.0930	0.2683	-0.1753	0.8336
50	35.29	0.00	5.0815	4.3502	0.1358	-0.4211	0.0608	0.0750	0.2679	-0.1929	0.8049
51	35.54	-0.01	5.1705	4.2858	-0.0533	-0.1392	0.0287	0.0645	0.2646	-0.2001	0.8289
52	35.76	-0.00	5.2218	4.4062	-0.0704	-0.0227	0.0200	0.0793	0.2618	-0.1825	0.8541
53	36.01	-0.01	5.2556	4.3731	-0.1517	-0.5853	0.0304	0.0549	0.2610	-0.2061	0.8258
54	36.24	-0.01	5.2627	4.3711	-0.2094	-0.6471	0.0276	0.0535	0.2609	-0.2074	0.8306
55	36.47	-0.01	5.4051	4.4756	-0.1855	-0.7049	0.0152	0.0393	0.2610	-0.2217	0.8280
56	36.72	0.01	5.4524	4.5007	-0.0749	-0.7697	0.0151	0.0356	0.2578	-0.2222	0.8195
57	36.96	0.00	5.5650	4.4321	-0.0768	-0.7040	-0.0036	0.0273	0.2598	-0.2325	0.7964
58	37.19	-0.00	5.6065	4.5062	-0.2106	-0.7277	0.0200	0.0251	0.2564	-0.2516	0.8035
59	37.44	-0.01	5.7123	4.5750	-0.3506	-0.8718	0.0098	0.0124	0.2548	-0.2424	0.8016
60	37.67	-0.01	5.7515	4.5753	-0.2585	-0.8290	0.0290	0.0150	0.2565	-0.2407	0.7962
61	37.89	-0.01	5.5031	4.5988	-0.2124	-0.5674	0.0352	-0.0062	0.2532	-0.2594	0.7791
62	38.14	-0.01	6.0382	4.6016	-0.2330	-0.6803	0.0416	-0.0159	0.2540	-0.2699	0.7621
63	38.37	0.00	6.0172	4.5915	-0.1407	-0.7876	0.0172	-0.0239	0.2584	-0.2823	0.7631
64	38.60	0.01	6.2163	4.5097	-0.0400	-0.6010	0.0292	-0.0414	0.2589	-0.3004	0.7252
65	38.82	-0.02	6.2180	4.6067	-0.3421	-0.6445	0.0238	-0.0305	0.2605	-0.2911	0.7409
66	39.05	0.00	6.3049	4.5974	-0.0557	-0.4226	0.0536	-0.0344	0.2654	-0.2499	0.7294
67	39.28	-0.00	6.4081	4.5110	-0.1500	-0.4067	0.0289	-0.0544	0.2581	-0.3126	0.7196
68	39.50	-0.02	6.4302	4.6250	-0.3716	-0.2533	0.0301	-0.0597	0.2544	-0.3142	0.7199
69	39.72	-0.02	6.5305	4.7152	-0.4189	-0.6482	0.0226	-0.0591	0.2617	-0.3209	0.7226
70	39.92	-0.02	6.6463	4.5972	-0.3373	-0.5443	0.0281	-0.0682	0.2642	-0.3325	0.6917
71	40.15	-0.02	6.7412	4.6654	-0.2212	-0.3156	0.0302	-0.0601	0.2589	-0.3391	0.6921
72	40.34	-0.00	6.6505	4.6326	-0.0908	-0.7167	0.0299	-0.0591	0.2580	-0.3172	0.6566
73	40.54	-0.02	6.8141	4.7238	-0.2278	-0.4555	0.0312	-0.0867	0.2573	-0.3441	0.6932
74	40.75	-0.00	6.9031	4.5915	-0.0331	-0.5985	0.0242	-0.0930	0.2597	-0.3528	0.6651
75	40.97	-0.02	6.9628	4.6080	-0.2794	-0.7503	0.0370	-0.0932	0.2560	-0.3493	0.6599
76	41.18	-0.02	7.0453	4.5114	-0.0713	-0.8157	0.0426	-0.0800	0.2694	-0.3551	0.6403
77	41.39	-0.02	7.0598	4.6469	-0.1517	-0.6427	0.0336	-0.1105	0.2532	-0.3637	0.6346
78	41.58	-0.03	7.1804	4.7050	-0.3741	-0.1856	0.0214	-0.1327	0.2499	-0.3626	0.6558
79	41.78	-0.02	7.1521	4.5450	-0.0273	-0.0681	0.0214	-0.1226	0.2483	-0.3689	0.6360
80	41.97	-0.01	7.2025	4.7685	-0.0661	-0.9311	0.0346	-0.1210	0.2486	-0.3704	0.6621
81	42.19	0.00	7.3260	4.5646	-0.0158	-0.4038	0.0285	-0.1469	0.2527	-0.4016	0.6231
82	42.37	-0.04	7.3052	4.6075	-0.3349	-0.6417	0.0113	-0.1263	0.2576	-0.3859	0.6309
83	42.55	-0.02	7.4172	4.4227	-0.2800	-0.3393	0.0212	-0.1341	0.2601	-0.3942	0.5963
84	42.74	-0.03	7.5221	4.5174	-0.3244	-0.8597	-0.0142	-0.1371	0.2584	-0.3955	0.6005
85	42.93	-0.01	7.5771	4.7335	-0.0602	-0.3654	0.0443	-0.1557	0.2555	-0.4172	0.6248
86	43.11	-0.01	7.6157	4.5522	-0.0645	-0.8307	0.0111	-0.1430	0.2563	-0.3993	0.5977
87	43.27	-0.02	7.6927	4.5551	-0.1451	-0.1301	0.0143	-0.1419	0.2389	-0.4008	0.5927
88	43.46	-0.06	7.8020	4.4153	-0.0445	-0.1509	-0.0591	-0.1580	0.2678	-0.4258	0.5659
89	43.66	-0.01	7.8726	4.4771	-0.2137	-0.9376	0.0058	-0.1637	0.2640	-0.4283	0.5684
90	43.84	-0.03	7.8685	4.4576	-0.3116	-0.5875	0.0000	-0.1650	0.2605	-0.4255	0.5665
91	43.99	-0.03	7.9818	4.4570	-0.5733	-0.2693	-0.0108	-0.1551	0.2671	-0.4222	0.5584
92	44.18	-0.01	8.0860	4.5325	-0.2303	-0.9821	-0.0129	-0.1769	0.2600	-0.4369	0.5356

PAGE 1 OF 3
SHEET 3 OF 4

MANTON MISSILE TAILS EFFECTS DATA

PCINT	TEST PART MACH RX10-6										
	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	MCP
93	44.37	-0.04	8.0601	4.5384	-0.5700	1.8805	-0.0331	-0.1717	0.2621	-0.4338	0.5631
94	44.50	-0.02	8.2146	4.4216	-0.5746	1.4677	-0.0140	-0.1672	0.2607	-0.4339	0.5582
95	44.77	-0.01	8.3217	4.4844	-0.0750	0.6688	0.0025	-0.1948	0.2621	-0.4565	0.5365
96	44.95	-0.01	8.3332	4.4553	-0.1233	0.8055	0.0011	-0.1903	0.2600	-0.4583	0.5346
97	45.12	-0.02	8.3506	4.3506	-0.2046	1.2598	-0.0129	-0.1807	0.2625	-0.4512	0.5210
98	45.29	-0.01	8.4143	4.3187	-0.0029	0.3000	0.0352	-0.1915	0.2588	-0.4503	0.5370
99	45.46	-0.02	8.5555	4.4217	-0.0715	-0.3805	0.0455	-0.2010	0.2691	-0.4701	0.5166
100	45.67	-0.02	8.5882	4.5000	-0.0295	0.4253	0.0417	-0.1900	0.2600	-0.4500	0.5249
101	45.85	-0.02	8.7190	4.5157	-0.0135	0.8643	0.0166	-0.2130	0.2723	-0.4854	0.5184
102	46.04	-0.02	8.8152	4.3788	-0.5550	1.6540	-0.0121	-0.1752	0.2670	-0.4402	0.4965
103	46.17	-0.01	8.7753	4.3840	-0.2336	-0.0837	0.0439	-0.2089	0.2670	-0.4759	0.4556
104	46.35	-0.03	8.8058	4.4355	-0.1284	1.0032	0.0139	-0.2105	0.2723	-0.4829	0.5038
105	46.54	-0.03	8.9525	4.4641	-0.3540	-0.3550	0.0455	-0.2135	0.2736	-0.4872	0.4986
106	46.89	-0.04	8.9501	4.4350	-0.2733	1.5141	-0.0115	-0.1948	0.2802	-0.4750	0.4956
107	47.08	-0.02	9.0004	4.2573	-0.0312	1.3755	0.0378	-0.2137	0.2822	-0.4560	0.4695
108	47.00	-0.02	9.1450	4.2723	-0.3011	1.0802	-0.0091	-0.2397	0.2839	-0.5237	0.4609
109	47.23	-0.02	9.2506	4.1718	-0.1177	2.0584	-0.0132	-0.2134	0.2980	-0.5114	0.4520
110	47.39	-0.02	9.2050	4.3215	-0.1005	1.3372	-0.0230	-0.1901	0.2981	-0.4442	0.4655
111	47.57	-0.01	9.2632	4.3506	-0.2652	1.3574	-0.0044	-0.1934	0.3029	-0.4933	0.4697
112	47.76	-0.07	9.4603	3.8541	-0.0031	2.0346	-0.0516	-0.2020	0.3169	-0.5189	0.4116
113	47.93	-0.05	9.5097	4.2753	-0.3710	1.5685	-0.0286	-0.2205	0.3083	-0.5288	0.4496
114	48.05	-0.03	9.4951	4.1605	-0.2234	1.5552	-0.0353	-0.1933	0.3063	-0.4556	0.4360
115	48.27	-0.03	9.5285	3.9977	-0.0051	2.4239	-0.0381	-0.2094	0.3351	-0.5445	0.4153
116	48.45	-0.02	9.7252	3.8714	-0.2012	2.5395	-0.0510	-0.1803	0.3427	-0.5230	0.3981
117	48.63	-0.02	9.8384	3.1213	-0.2028	2.9238	-0.0655	-0.1479	0.3628	-0.5307	0.3172
118	48.80	-0.02	9.9110	3.8383	-0.2207	2.5549	-0.0506	-0.1879	0.3684	-0.5563	0.3873
119	48.96	-0.00	10.0246	3.5136	-0.0752	2.8037	-0.0579	-0.1831	0.3748	-0.5579	0.3505
120	49.15	-0.04	10.0151	3.3362	-0.5167	2.5615	-0.0641	-0.1855	0.3698	-0.5553	0.3332
121	49.32	-0.01	10.0855	3.5005	-0.1454	2.8316	-0.0513	-0.1677	0.3838	-0.5515	0.3471
122	49.50	0.04	10.3476	2.7226	0.4152	2.2093	-0.0369	-0.2173	0.4000	-0.6173	0.2631
123	49.69	0.05	10.6556	2.0174	0.5555	2.3552	-0.0244	-0.1950	0.4157	-0.6107	0.1853
124	49.90	0.05	11.0257	1.1677	0.4151	3.5455	-0.0340	-0.2354	0.4306	-0.6660	0.1059
125	50.10	0.08	11.2795	0.5388	0.3640	4.3804	-0.0309	-0.1811	0.4565	-0.6380	0.0830
126	50.23	0.03	11.1505	1.4071	0.2627	2.1317	-0.0216	-0.2092	0.4156	-0.6248	0.1262
127	50.42	0.05	11.2522	1.2331	0.5372	2.2401	-0.0223	-0.2102	0.4010	-0.6112	0.1052
128	50.60	0.01	11.1456	1.5048	0.3238	1.7376	-0.0201	-0.2039	0.4080	-0.6119	0.1350
129	50.76	0.08	11.3980	0.9050	0.2987	1.9751	-0.0217	-0.1938	0.4197	-0.6135	0.0794
130	50.93	0.04	11.4453	0.5634	0.5708	1.5057	0.0	-0.1900	0.4147	-0.6113	0.0841
131	51.12	0.01	11.6620	0.7525	0.2771	1.6413	0.0007	-0.2082	0.4285	-0.6351	0.0645
132	51.30	0.03	11.6618	0.4572	0.5583	1.8574	-0.0060	-0.2058	0.4366	-0.6364	0.0387
133	51.46	0.03	11.6428	0.1822	0.5518	1.5162	-0.0176	-0.1805	0.4384	-0.6185	0.0153
134	51.64	0.09	12.2130	-0.2655	1.1646	1.9801	-0.0326	-0.1921	0.4621	-0.6542	-0.0221
135	51.83	0.06	12.4657	-0.7503	0.5356	2.2724	-0.0381	-0.1964	0.4691	-0.6655	-0.0661
136	52.00	0.05	12.6140	-1.0523	0.6055	2.0557	-0.0383	-0.1932	0.4705	-0.6637	-0.0830
137	52.15	0.06	12.5354	-0.8375	0.6241	2.1513	-0.0365	-0.1910	0.4776	-0.6286	-0.0668
138	52.35	0.05	12.8132	-0.5415	0.7479	1.9631	-0.0173	-0.1709	0.4873	-0.6581	-0.0735

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10=0 7 107 0.90 1.7				PHI C.C. 014CF14	L 0.0	DEL1 0	DEL2 -30	DEL3 0	DEL4 -30	TRANSITION UNKNOWN		
PLANT	ALPHA	BETA	CN	CLM	CY	CLM	CLL	CA	CAB	CAF	ACP	
139	52.51	0.05	12.8561	-0.6825	0.7273	1.6235	0.0150	-0.1713	0.4657	-0.6569	-0.0686	
140	52.68	0.07	12.7625	-0.6845	0.5532	1.6220	-0.0045	-0.1456	0.4682	-0.6337	-0.6653	
141	52.82	0.07	12.7578	-0.7750	0.9506	1.7490	0.0085	-0.1190	0.4450	-0.6139	-0.0607	
142	53.02	0.05	13.1523	-0.5656	0.6635	2.0217	0.0153	-0.1914	0.4474	-0.6886	-0.0753	
143	53.18	0.05	12.4984	-0.6546	0.7662	1.5936	0.0224	-0.1432	0.4970	-0.6421	-0.0654	
144	53.36	0.08	13.0193	-0.9250	0.5564	1.6218	0.0350	-0.1251	0.5015	-0.6265	-0.0714	
145	53.52	0.03	13.1668	-1.1151	0.4533	1.7196	0.0107	-0.1914	0.4513	-0.6627	-0.0847	
146	53.69	0.08	13.0557	-0.9164	0.5690	1.5006	0.0356	-0.1440	0.4450	-0.6369	-0.0657	
147	53.83	0.05	12.8833	-0.7724	1.0585	1.3000	0.0358	-0.1358	0.5010	-0.6347	-0.0600	
148	54.01	0.11	13.0279	-0.6737	1.2516	1.4161	0.0543	-0.1607	0.5035	-0.6701	-0.0517	
149	54.17	0.07	13.1566	-1.0552	0.7550	1.3538	0.0434	-0.1345	0.5111	-0.6455	-0.0803	
150	54.31	0.11	13.0350	-0.9338	1.2412	1.1896	0.0488	-0.1400	0.5160	-0.6615	-0.0716	
151	54.48	0.07	13.1573	-1.1127	0.8292	1.2445	0.0434	-0.1715	0.4992	-0.6706	-0.0849	
152	54.64	0.06	13.2770	-1.1332	0.7615	1.3566	0.0445	-0.1591	0.5278	-0.6665	-0.0854	
153	54.78	0.06	13.1315	-0.8665	0.7780	1.3114	0.0361	-0.1365	0.5257	-0.6625	-0.0671	
154	54.94	0.06	13.2664	-1.0437	1.0746	1.0523	0.0504	-0.1521	0.5232	-0.6552	-0.0767	
155	55.06	0.04	13.1722	-0.5068	0.7066	0.9514	0.0576	-0.1245	0.5256	-0.6544	-0.0690	
156	55.24	0.06	13.2022	-0.8467	0.8300	1.0265	0.0374	-0.1225	0.5350	-0.6574	-0.0637	
157	55.35	0.06	13.1405	-0.7171	0.5727	0.9477	0.0624	-0.1460	0.5398	-0.6858	-0.0546	
158	55.54	0.05	13.2330	-0.8045	1.0193	1.0532	0.0697	-0.1517	0.5467	-0.6464	-0.0608	
159	55.69	0.04	13.2566	-0.7725	0.7740	0.9463	0.0708	-0.1285	0.5492	-0.6761	-0.0583	
160	55.84	0.06	13.1671	-0.5631	1.0441	1.0164	0.0624	-0.1267	0.5492	-0.6698	-0.0442	
161	56.00	0.06	13.3343	-0.8816	1.2132	0.8960	0.0628	-0.1783	0.5304	-0.7067	-0.0661	
162	56.16	0.05	13.2157	-0.5661	0.9511	0.8914	0.0634	-0.1231	0.5515	-0.6746	-0.0444	
163	56.31	0.01	13.1604	-0.5054	0.5040	1.1425	0.0830	-0.1163	0.5744	-0.6907	-0.0367	
164	56.44	0.02	13.1563	-0.4465	0.6748	1.0596	0.0955	-0.1139	0.5784	-0.6523	-0.0335	
165	56.62	0.04	13.3674	-0.6402	0.8256	1.1781	0.0829	-0.1325	0.5891	-0.7216	-0.0475	
166	56.78	0.01	13.3541	-0.5500	0.5227	1.2489	0.0896	-0.1115	0.5931	-0.7046	-0.0412	
167	56.92	-0.01	13.3475	-0.5422	0.4257	1.1624	0.0836	-0.1230	0.5988	-0.7218	-0.0607	
168	57.07	-0.02	13.3615	-0.5618	0.1536	1.3237	0.0990	-0.1439	0.6090	-0.7525	-0.0435	
169	57.23	-0.00	13.3643	-0.6136	0.4135	1.1560	0.0839	-0.1129	0.6013	-0.7142	-0.0458	
170	57.36	-0.00	13.3500	-0.4471	0.4356	1.0564	0.0779	-0.1259	0.6013	-0.7272	-0.0335	
171	57.52	-0.01	13.3445	-0.4718	0.2557	1.2283	0.0545	-0.1309	0.6115	-0.7428	-0.0354	
172	57.67	-0.00	13.3164	-0.5261	0.4125	1.1831	0.0837	-0.1411	0.6057	-0.7468	-0.0355	
173	57.83	-0.03	13.4118	-0.1552	0.1175	0.8546	0.0735	-0.1678	0.5821	-0.7459	0.0149	
174	57.96	-0.05	13.3619	-0.7153	-0.0463	-0.1594	0.0552	-0.2305	0.5566	-0.7605	0.0538	
175	58.11	-0.08	13.3548	-0.3414	-0.2257	-1.1282	0.0394	-0.1916	0.5777	-0.7693	0.0256	
176	58.26	-0.06	13.3656	-0.2252	-0.1615	-1.0066	0.0544	-0.1776	0.5966	-0.7746	0.0168	
177	58.40	-0.07	13.3453	-0.2311	-0.1488	-1.1165	0.0591	-0.1583	0.6138	-0.7771	-0.0173	
178	58.54	-0.06	13.4564	-0.3415	-0.0290	-1.3276	0.0472	-0.1377	0.6310	-0.7667	-0.0291	
179	58.56	-0.05	13.4659	-0.5343	-0.5425	-1.1760	0.0463	-0.1456	0.6355	-0.7811	-0.0397	
180	58.11	-0.01	13.2689	-0.2451	0.1507	1.2634	0.0714	-0.1369	0.6000	-0.7369	-0.0225	

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-E	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	107	0.00	1.7	0.0	0.0	0.0	-30	0	-30	UNKNOWN
POINT	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8
1	-5.69	0.00	-0.0274	0.0008	0.0111	-0.0292	-0.4307	-1.0405	-0.0335	-0.3520
2	-5.69	0.01	-0.0327	0.0008	0.0100	-0.0295	-0.3242	-1.0415	-0.0336	-0.3527
3	-5.67	0.01	-0.0313	0.0005	0.0151	-0.0492	-0.8251	-1.0084	-0.0314	-0.3437
4	-5.70	0.01	-0.0341	0.0005	0.0163	-0.0680	-1.1560	-1.1144	0.0014	-0.3860
5	-2.37	0.01	-0.0244	0.0007	0.0092	-0.0287	-0.3770	-1.0348	0.0053	-0.3630
6	-0.31	0.02	-0.0164	0.0007	0.0100	-0.0427	-0.0403	-0.9741	0.0140	-0.3448
7	1.42	0.00	-0.0201	0.0006	0.0073	-0.0298	-0.3532	-0.9157	0.0183	-0.3217
8	3.20	0.01	-0.0100	0.0006	0.0077	-0.0375	-0.4812	-0.8198	0.0214	-0.2947
9	4.93	0.00	-0.0214	0.0003	0.0077	-0.0140	-0.3598	-0.7369	0.0236	-0.2728
10	6.70	0.00	-0.0334	0.0001	0.0100	-0.0020	-0.3051	-0.6552	0.0256	-0.2509
11	8.45	-0.01	-0.0344	-0.0006	0.0148	0.0233	-0.4302	-0.5572	0.0282	-0.2375
12	10.17	-0.01	-0.0306	-0.0027	0.0155	0.0602	-0.6003	-0.4655	0.0271	-0.2129
13	11.97	-0.00	-0.0300	-0.0016	0.0201	0.0519	-0.6526	-0.3938	0.0246	-0.1911
14	13.71	-0.00	-0.0375	-0.0024	0.0199	0.0640	-0.5307	-0.3029	0.0230	-0.1659
15	15.54	-0.01	-0.0408	-0.0055	0.0154	0.1354	-0.3753	-0.2364	0.0210	-0.1280
16	17.36	-0.00	-0.0541	-0.0070	0.0174	0.1465	-0.3142	-0.1709	0.0170	-0.0927
17	19.18	-0.01	-0.0745	-0.0124	0.0144	0.1855	-0.1923	-0.1008	0.0153	-0.0722
18	20.99	-0.00	-0.0843	-0.0174	0.0072	0.2064	-0.0054	-0.0534	0.0151	-0.0546
19	22.81	-0.04	-0.1209	-0.0123	-0.0058	0.1348	0.0480	-0.0289	0.0175	-0.0412
20	24.61	-0.05	-0.2015	-0.0200	-0.0510	0.0764	0.1970	-0.0300	0.0225	-0.0420
21	26.42	-0.01	-0.0058	-0.0006	-0.0255	0.1034	-0.4655	0.0597	0.0250	-0.0071
22	28.21	0.02	0.0478	0.0007	0.0428	0.0146	0.0954	0.0917	0.0276	0.0052
23	28.24	0.0	-0.0155	0.0008	0.0147	-0.0510	-0.9484	0.0768	0.0284	-0.0007
24	28.24	0.00	0.0104	0.0013	0.0211	0.1192	1.4356	0.0028	0.0282	0.0010
25	28.48	0.02	0.0250	0.0008	0.0298	0.0207	1.0276	0.0944	0.0290	0.0056
26	28.70	0.03	0.0888	0.0001	0.0541	0.0011	0.6092	0.1065	0.0285	0.0107
27	29.13	0.05	0.0885	0.0011	0.0560	0.0124	0.6328	0.1093	0.0294	0.0104
28	29.42	0.03	0.0314	0.0013	0.0337	0.0417	1.0001	0.1122	0.0301	0.0101
29	29.71	0.06	0.2058	0.0078	0.0548	0.0372	0.4513	0.1391	0.0290	0.0200
30	30.00	0.07	0.1751	0.0087	0.0884	0.0363	0.5044	0.1372	0.0307	0.0205
31	30.29	0.07	0.1100	0.0058	0.0558	0.0508	0.5407	0.1371	0.0314	0.0194
32	30.55	0.05	0.0827	0.0055	0.0525	0.0713	0.6397	0.1222	0.0325	0.0123
33	30.81	0.07	0.1025	0.0035	0.0810	0.0360	0.5951	0.1266	0.0323	0.0156
34	31.10	0.05	0.0200	0.0050	0.0270	0.1923	1.0015	0.1323	0.0335	0.0162
35	31.37	0.05	0.0388	0.0040	0.0348	0.1185	0.8918	0.1144	0.0340	0.0100
36	31.65	0.06	0.0405	0.0073	0.0294	0.1570	0.7613	0.1144	0.0342	0.0084
37	31.91	0.04	0.0405	0.0065	0.0355	0.1484	0.7720	0.1263	0.0345	0.0111
38	32.19	0.04	0.0210	0.0052	0.0250	0.2470	1.0952	0.1244	0.0350	0.0121
39	32.45	0.02	0.0313	0.0031	0.0254	0.0990	0.9393	0.1257	0.0352	0.0122
40	32.71	0.02	0.0172	0.0043	0.0218	0.2503	1.2074	0.1317	0.0350	0.0134
41	32.98	0.04	0.0764	0.0045	0.0426	0.0574	0.5459	0.1420	0.0348	0.0177
42	33.24	0.03	0.1327	0.0083	0.0621	0.0475	0.4600	0.1608	0.0344	0.0206
43	33.49	0.05	0.1765	0.0077	0.0791	0.0438	0.4482	0.1819	0.0332	0.0345
44	33.75	0.03	0.1716	0.0061	0.0706	0.0355	0.4404	0.1906	0.0336	0.0376
45	33.99	0.04	0.2013	0.0057	0.0851	0.0482	0.4228	0.1905	0.0345	0.0371
46	34.26	0.02	0.1407	0.0050	0.0644	0.0355	0.4577	0.1964	0.0338	0.0422

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACP RAIO-6 PHI CNF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
1 107 1.50 1.7 U.C BIKOF14 C.O 0 -30 0 -30 UNKNOWN												
PCINT	ALPHA	BETA	CNF1	CH1	Cd1	XCPF1	YLPF1	CNF2	CH2	Cd2	XCPF2	YCPF2
47	34.53	0.03	0.1434	0.0057	0.0037	0.0397	0.4442	0.1994	0.0340	0.0419	0.1705	0.2101
48	34.77	0.02	0.1050	0.0050	0.0036	0.0336	0.4330	0.1903	0.0344	0.0417	0.1752	0.2124
49	35.00	0.03	0.0725	0.0035	0.0013	0.0440	0.5201	0.1960	0.0345	0.0410	0.1760	0.2092
50	35.24	0.00	0.0000	0.0033	0.0025	0.0544	0.5305	0.1958	0.0348	0.0428	0.1777	0.2180
51	35.54	-0.01	-0.0413	0.0028	-0.0090	-0.0678	0.2175	0.1684	0.0355	0.0375	0.1884	0.1950
52	35.76	-0.00	-0.0330	0.0024	-0.0120	-0.0453	0.2377	0.1610	0.0358	0.0346	0.1976	0.1912
53	36.01	-0.01	-0.0505	0.0025	-0.0111	-0.0574	0.2190	0.1635	0.0360	0.0366	0.1957	0.1950
54	36.24	-0.01	-0.0516	0.0026	-0.0130	-0.0504	0.2319	0.1608	0.0369	0.0341	0.2041	0.1860
55	36.47	-0.01	-0.1031	0.0031	-0.0350	-0.0301	0.3453	0.1667	0.0363	0.0380	0.1944	0.2087
56	36.72	0.01	-0.0000	0.0031	-0.0342	-0.0340	0.3021	0.1553	0.0361	0.0410	0.1848	0.2130
57	36.95	0.00	-0.1000	0.0028	-0.0303	-0.0263	0.3593	0.1937	0.0365	0.0409	0.1884	0.2112
58	37.19	-0.00	-0.0047	0.0020	-0.0247	-0.0331	0.3500	0.1980	0.0371	0.0419	0.1873	0.2116
59	37.44	-0.01	-0.1000	0.0020	-0.0377	-0.0260	0.3770	0.2102	0.0367	0.0465	0.1746	0.2212
60	37.67	-0.01	-0.0000	0.0035	-0.0330	-0.0309	0.3071	0.2011	0.0360	0.0435	0.1889	0.2163
61	37.89	-0.01	-0.0042	0.0024	-0.0252	-0.0263	0.3443	0.2219	0.0366	0.0522	0.1645	0.2352
62	38.14	-0.01	-0.0000	0.0041	-0.0130	-0.0000	0.2904	0.2054	0.0369	0.0433	0.1854	0.2168
63	38.37	0.00	-0.1024	0.0028	-0.0402	-0.0273	0.3926	0.2338	0.0365	0.0543	0.1561	0.2322
64	38.60	0.01	-0.0000	0.0020	-0.0337	-0.0290	0.3757	0.2276	0.0380	0.0528	0.1665	0.2320
65	38.82	-0.02	-0.1079	0.0010	-0.0307	-0.0107	0.3507	0.2217	0.0379	0.0499	0.1709	0.2251
66	39.05	0.00	-0.0000	0.0015	-0.0320	-0.0192	0.3200	0.2110	0.0391	0.0450	0.1851	0.2131
67	39.28	-0.00	-0.1000	0.0001	-0.0362	-0.0000	0.3352	0.2246	0.0380	0.0502	0.1718	0.2235
68	39.50	-0.02	-0.1077	-0.0004	-0.0380	0.0037	0.3520	0.2335	0.0385	0.0527	0.1445	0.2257
69	39.72	-0.02	-0.1528	-0.0017	-0.0351	0.0111	0.3600	0.2261	0.0388	0.0492	0.1716	0.2176
70	39.92	-0.02	-0.1310	-0.0002	-0.0473	0.0015	0.3611	0.2333	0.0390	0.0527	0.1671	0.2256
71	40.15	-0.02	-0.1050	0.0003	-0.0341	-0.0028	0.3229	0.2378	0.0392	0.0531	0.1648	0.2233
72	40.34	-0.00	-0.1519	0.0007	-0.0340	-0.0000	0.3255	0.2333	0.0394	0.0510	0.1689	0.2212
73	40.54	-0.02	-0.1263	0.0003	-0.0415	-0.0024	0.3200	0.2401	0.0390	0.0563	0.1572	0.2265
74	40.75	-0.00	-0.1262	-0.0010	-0.0454	0.0070	0.3241	0.2537	0.0385	0.0585	0.1517	0.2306
75	40.97	-0.02	-0.1491	0.0006	-0.0325	-0.0040	0.3521	0.2477	0.0391	0.0562	0.1578	0.2266
76	41.18	0.02	-0.1223	0.0034	-0.0427	-0.0070	0.3491	0.2460	0.0396	0.0573	0.1618	0.2326
77	41.39	-0.02	-0.1200	0.0017	-0.0424	-0.0141	0.3510	0.2596	0.0383	0.0625	0.1475	0.2400
78	41.50	-0.03	-0.1307	-0.0007	-0.0473	0.0034	0.3019	0.2709	0.0372	0.0693	0.1334	0.2485
79	41.70	-0.02	-0.1055	-0.0003	-0.0410	0.0027	0.3731	0.2834	0.0368	0.0702	0.1258	0.2477
80	41.97	-0.01	-0.0000	0.0003	-0.0361	0.0031	0.3772	0.2920	0.0358	0.0757	0.1223	0.2585
81	42.19	-0.00	-0.1454	0.0001	-0.0321	-0.0007	0.3407	0.2837	0.0371	0.0727	0.1300	0.2563
82	42.37	-0.00	-0.1311	-0.0000	-0.0303	0.0019	0.2921	0.3340	0.0341	0.0447	0.0959	0.2630
83	42.55	-0.02	-0.0737	-0.0000	-0.0281	0.0081	0.3313	0.3270	0.0341	0.0890	0.1043	0.2722
84	42.74	-0.03	-0.1001	-0.0010	-0.0370	0.0077	0.3105	0.3412	0.0321	0.0548	0.0941	0.2778
85	42.93	-0.01	-0.0036	-0.0007	-0.0334	0.1544	0.2844	0.3294	0.0343	0.0500	0.1041	0.2750
86	43.11	-0.01	-0.0000	-0.0002	-0.0300	0.0191	0.3592	0.3504	0.0325	0.0542	0.0927	0.2831
87	43.27	-0.02	-0.0220	-0.0005	-0.0001	0.2257	0.3553	0.3655	0.0312	0.1028	0.0854	0.2813
88	43.40	-0.00	-0.1751	-0.0121	-0.0000	0.0073	0.3303	0.3611	0.0310	0.1024	0.0850	0.2836
89	43.66	-0.01	-0.0556	-0.0033	-0.0193	0.0593	0.3671	0.3413	0.0344	0.0927	0.1008	0.2710
90	43.84	-0.03	-0.1302	-0.0075	-0.0430	0.0500	0.3210	0.3564	0.0327	0.0980	0.0917	0.2707
91	43.99	-0.03	-0.2105	-0.0003	-0.0745	0.0290	0.3435	0.3080	0.0362	0.0814	0.1240	0.2643
92	44.18	-0.01	-0.1164	-0.0007	-0.0421	0.0570	0.3017	0.3590	0.0335	0.1000	0.0931	0.2803

PAGE 2 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART: MACH RX10-6													
7 107 C.S. 1.7													
PHI CNF L DEL1 DEL2 DEL3 DEL4 TRANSITION													
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0													
PCINT	ALPHA	BETA	CNF1	CNF2	CNF3	CNF4	CNF5	CNF6	CNF7	CNF8	CNF9	CNF10	CNF11
93	44.37	-0.04	-0.1122	-0.0032	-0.0047	-0.0075	-0.0053	-0.0031	-0.0030	-0.0042	-0.0042	-0.0020	-0.0026
94	44.36	-0.04	-0.1351	-0.0048	-0.0052	-0.0064	-0.0025	-0.0046	-0.0042	-0.0045	-0.0045	-0.0051	-0.0039
95	44.71	-0.01	-0.0719	-0.0038	-0.0035	-0.0051	-0.0028	-0.0016	-0.0030	-0.0047	-0.0047	-0.0088	-0.0018
96	44.95	-0.01	-0.1015	-0.0050	-0.0043	-0.0043	-0.0026	-0.0014	-0.0030	-0.0030	-0.0030	-0.0015	-0.0026
97	45.12	-0.02	-0.0721	-0.0016	-0.0017	-0.0022	-0.0037	-0.0033	-0.0031	-0.0016	-0.0016	-0.0053	-0.0025
98	45.29	-0.01	-0.0245	-0.0042	-0.0016	-0.0016	-0.0016	-0.0016	-0.0016	-0.0016	-0.0016	-0.0016	-0.0016
99	45.49	-0.02	-0.0193	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011	-0.0011
100	45.67	-0.02	-0.0060	-0.0011	-0.0010	-0.0010	-0.0010	-0.0010	-0.0010	-0.0010	-0.0010	-0.0010	-0.0010
101	45.65	-0.06	-0.1003	-0.0013	-0.0013	-0.0013	-0.0013	-0.0013	-0.0013	-0.0013	-0.0013	-0.0013	-0.0013
102	46.02	-0.00	-0.0253	-0.0008	-0.0008	-0.0008	-0.0008	-0.0008	-0.0008	-0.0008	-0.0008	-0.0008	-0.0008
103	46.17	-0.01	-0.0244	-0.0015	-0.0015	-0.0015	-0.0015	-0.0015	-0.0015	-0.0015	-0.0015	-0.0015	-0.0015
104	46.35	-0.03	-0.0142	-0.0014	-0.0014	-0.0014	-0.0014	-0.0014	-0.0014	-0.0014	-0.0014	-0.0014	-0.0014
105	46.54	-0.00	-0.0031	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
106	46.69	-0.04	-0.1057	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
107	46.83	-0.02	-0.1037	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
108	47.00	-0.00	-0.1521	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003
109	47.23	-0.02	-0.0215	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004
110	47.39	-0.02	-0.1023	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
111	47.57	-0.01	-0.0201	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
112	47.76	-0.07	-0.0245	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
113	47.93	-0.05	-0.0276	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
114	48.09	-0.03	-0.1515	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
115	48.27	-0.03	-0.1002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
116	48.45	-0.02	-0.0206	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
117	48.63	-0.02	-0.0215	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
118	48.80	-0.02	-0.0212	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
119	48.96	-0.00	-0.0240	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
120	49.15	-0.04	-0.0260	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
121	49.32	-0.01	-0.0232	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
122	49.50	-0.04	-0.1020	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
123	49.65	-0.05	-0.0217	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
124	49.80	-0.05	-0.0035	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
125	50.10	-0.08	-0.0247	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
126	50.23	-0.03	-0.1002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
127	50.42	-0.05	-0.0006	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
128	50.60	-0.01	-0.0035	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
129	50.76	-0.06	-0.0050	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
130	50.93	-0.04	-0.0055	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
131	51.12	-0.01	-0.0032	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
132	51.30	-0.03	-0.0056	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
133	51.46	-0.05	-0.0060	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
134	51.64	-0.05	-0.0060	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
135	51.83	-0.04	-0.0060	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
136	52.00	-0.05	-0.0047	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
137	52.15	-0.06	-0.0055	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002
138	52.35	-0.05	-0.0050	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002	-0.0002

PAGE 2 OF 3
SHEET 4 OF 4

PARTIAL MISSILE TAIL EFFECTS DATA

TEST PART	MAC	RATIO-E	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	107	0.90	1.7	0.0	0.1	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8
139	52.51	0.05	-0.0332	-0.0113	-0.0102	0.5728	0.3576	0.5841	0.0351	0.1464
140	52.66	0.07	-0.0329	-0.0113	-0.0102	0.5728	0.3576	0.5841	0.0351	0.1464
141	52.82	0.07	-0.0360	-0.0114	-0.0102	0.5728	0.3576	0.5841	0.0351	0.1464
142	53.02	0.05	-0.0271	-0.0144	-0.0055	0.5313	0.2177	0.5900	0.0344	0.1492
143	53.16	0.05	-0.0117	-0.0148	-0.0019	1.2477	-0.1282	0.5815	0.0354	0.1445
144	53.30	0.06	-0.0029	-0.0144	-0.0076	0.1020	-0.4130	0.5832	0.0335	0.1464
145	53.52	0.03	-0.0020	-0.0145	-0.0047	1.0022	-0.5875	0.5955	0.0334	0.1510
146	53.69	0.06	-0.0161	-0.0145	-0.0025	0.8011	-0.1553	0.5830	0.0343	0.1477
147	53.83	0.05	-0.0021	-0.0134	-0.0102	0.3801	-0.8571	0.5821	0.0340	0.1470
148	54.01	0.11	-0.0134	-0.0088	-0.0174	-0.6330	1.2518	0.5805	0.0337	0.1419
149	54.17	0.07	-0.0175	-0.0055	-0.0105	-0.5337	1.0223	0.5835	0.0344	0.1469
150	54.31	0.11	-0.0030	-0.0112	-0.0147	-2.5970	0.8004	0.5853	0.0340	0.1469
151	54.48	0.07	-0.0123	-0.0088	-0.0171	-0.5305	1.3902	0.5741	0.0304	0.1435
152	54.64	0.06	-0.0040	-0.0085	-0.0155	-1.0476	0.4505	0.5803	0.0345	0.1474
153	54.70	0.00	-0.0025	-0.0064	-0.0215	-0.2415	0.8113	0.5793	0.0340	0.1472
154	54.94	0.08	-0.0220	-0.0007	-0.0025	-0.2835	0.5958	0.5768	0.0309	0.1444
155	55.00	0.06	-0.0370	-0.0080	-0.0241	-0.1536	0.7734	0.5659	0.0355	0.1414
156	55.24	0.06	-0.0150	-0.0040	-0.0200	-0.1371	0.7657	0.5760	0.0362	0.1450
157	55.35	0.00	-0.0461	-0.0010	-0.0320	-0.0347	0.6941	0.5700	0.0305	0.1442
158	55.59	0.05	-0.0105	-0.0060	-0.0233	-0.4023	1.3787	0.5901	0.0354	0.1512
159	55.69	0.04	-0.0300	-0.0045	-0.0312	-0.1205	0.8083	0.5805	0.0362	0.1505
160	55.84	0.00	-0.0305	-0.0020	-0.0280	-0.0050	0.9180	0.5077	0.0370	0.1419
161	56.00	0.00	-0.0240	-0.0012	-0.0250	-0.0500	1.0750	0.5773	0.0377	0.1464
162	56.16	0.05	-0.0203	-0.0000	-0.0270	0.0220	1.0200	0.5584	0.0374	0.1345
163	56.31	0.01	-0.0100	-0.0015	-0.0225	0.0800	1.1969	0.5555	0.0350	0.1404
164	56.44	0.02	-0.0009	-0.0015	-0.0205	0.0514	0.9300	0.5024	0.0307	0.1421
165	56.62	0.04	-0.0107	-0.0007	-0.0227	0.0374	1.2139	0.5717	0.0307	0.1446
166	56.78	0.01	-0.0117	-0.0025	-0.0200	0.2149	1.8092	0.5063	0.0393	0.1417
167	56.92	-0.01	-0.0009	-0.0027	-0.0175	0.5913	2.5942	0.5591	0.0395	0.1403
168	57.07	-0.02	-0.0100	-0.0031	-0.0201	0.2924	1.8902	0.5407	0.0407	0.1366
169	57.23	-0.00	-0.0140	-0.0011	-0.0230	0.0753	1.5753	0.5724	0.0350	0.1455
170	57.38	-0.00	-0.0115	-0.0015	-0.0157	-0.1304	-1.3052	0.5695	0.0340	0.1429
171	57.52	-0.01	-0.0055	-0.0047	-0.0165	-0.8867	-3.1132	0.5663	0.0410	0.1416
172	57.67	-0.00	-0.0115	-0.0055	-0.0142	-0.4021	-1.1933	0.5504	0.0414	0.1383
173	57.83	-0.03	-0.0157	-0.0037	-0.0140	-0.2350	-0.9299	0.5845	0.0403	0.1470
174	57.96	-0.05	-0.0100	-0.0017	-0.0140	-0.1012	-0.8090	0.5900	0.0401	0.1524
175	58.11	-0.08	-0.0153	-0.0000	-0.0155	0.0392	-1.0131	0.6243	0.0305	0.1619
176	58.26	-0.00	-0.0100	-0.0001	-0.0150	-0.0100	-1.5000	0.6272	0.0307	0.1621
177	58.40	-0.07	-0.0045	-0.0016	-0.0104	0.3555	-3.6444	0.6257	0.0300	0.1614
178	58.52	-0.06	-0.0007	-0.0024	-0.0105	1.4116	-4.7059	0.6288	0.0300	0.1611
179	58.58	-0.05	-0.0000	-0.0012	-0.0107	0.2000	3.1167	0.6377	0.0301	0.1647
180	58.61	-0.01	-0.0154	-0.0038	-0.0110	-0.2407	-0.7002	0.6063	0.0407	0.1404

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RAIO-0	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	1.07	0.50	1.07	C.C. B10F14	0.0	0	-30	0	-30	UNKNOWN
FLINT	ALPHA	BETA	CONF3	CONF4	CONF5	YCONF3	YCONF4	YCONF5	YCONF6	YCONF7
1	-5.69	0.00	0.0155	5.9999	0.0152	5.9999	0.9960	-1.1327	-0.0342	-0.3227
2	-5.69	0.01	0.0166	5.9999	0.0160	5.9999	0.9962	-1.1413	-0.0350	-0.3252
3	-5.67	0.01	0.0130	5.9999	0.0172	5.9999	1.3231	-1.1419	-0.0327	-0.3257
4	-3.78	0.01	0.0220	5.9999	0.0354	5.9999	1.3615	-1.0744	-0.0322	-0.2955
5	-2.07	0.01	0.0000	5.9999	0.0157	5.9999	20.1007	-1.1709	0.0056	-0.3415
6	-0.31	0.02	0.0061	5.9999	0.0102	5.9999	2.9036	-1.1019	0.0119	-0.3277
7	1.42	0.00	0.0000	5.9999	0.0173	5.9999	26.8333	-1.0214	0.0172	-0.3075
8	3.20	0.01	0.0000	5.9999	0.0107	5.9999	27.8333	-0.9231	0.0108	-0.2835
9	4.93	0.00	0.0000	5.9999	0.0174	5.9999	1.9773	-0.8367	0.0188	-0.2615
10	6.70	0.00	0.0144	5.9999	0.0167	5.9999	1.1597	-0.7545	0.0210	-0.2440
11	8.45	-0.01	0.0131	5.9999	0.0161	5.9999	1.2290	-0.6530	0.0242	-0.2341
12	10.17	-0.01	0.0076	5.9999	0.0146	5.9999	1.9210	-0.5668	0.0230	-0.2074
13	11.57	-0.00	0.0103	5.9999	0.0140	5.9999	1.4369	-0.5024	0.0212	-0.1740
14	13.71	-0.00	0.0078	5.9999	0.0100	5.9999	1.3046	-0.4217	0.0200	-0.1491
15	15.54	-0.01	0.0134	5.9999	0.0091	5.9999	0.6791	-0.3521	0.0167	-0.1120
16	17.38	-0.00	0.0001	5.9999	0.0110	5.9999	0.5671	-0.2200	0.0130	-0.0762
17	19.18	-0.01	0.0134	5.9999	0.0075	5.9999	0.5597	-0.1312	0.0092	-0.0450
18	20.99	-0.05	0.0000	5.9999	0.0021	5.9999	0.3000	-0.0703	0.0004	-0.0220
19	22.81	-0.04	0.0150	5.9999	0.0058	5.9999	0.3053	-0.0291	0.0103	-0.0025
20	24.61	-0.05	0.0001	5.9999	0.0123	5.9999	0.6114	0.0340	0.0102	0.0214
21	26.42	-0.01	0.0301	5.9999	0.0045	5.9999	0.1495	-0.0067	0.0200	0.0041
22	28.21	0.02	0.0400	5.9999	0.0005	5.9999	0.1481	0.0004	0.0224	0.0097
23	26.24	0.00	0.0384	5.9999	0.0052	5.9999	0.1354	0.0210	0.0213	0.0145
24	26.24	0.00	0.0350	5.9999	0.0026	5.9999	0.0702	0.0144	0.0220	0.0142
25	28.48	0.02	0.0435	5.9999	0.0056	5.9999	0.1276	0.0150	0.0232	0.0140
26	28.70	0.03	0.0444	5.9999	0.0071	5.9999	0.1437	0.0001	0.0243	0.0120
27	29.13	0.05	0.0302	5.9999	0.0104	5.9999	0.1851	0.0203	0.0244	0.0165
28	29.42	0.03	0.0454	5.9999	0.0071	5.9999	0.1437	0.0343	0.0242	0.0213
29	29.71	0.06	0.0025	5.9999	0.0136	5.9999	0.2102	0.0183	0.0251	0.0158
30	30.00	0.07	0.0003	5.9999	0.0172	5.9999	0.2516	0.0300	0.0255	0.0236
31	30.29	0.07	0.0630	5.9999	0.0131	5.9999	0.2079	0.0490	0.0251	0.0277
32	30.55	0.05	0.0506	5.9999	0.0105	5.9999	0.2075	0.0820	0.0242	0.0396
33	30.81	0.07	0.0521	5.9999	0.0075	5.9999	0.1516	0.0667	0.0261	0.0336
34	31.10	0.05	0.0507	5.9999	0.0005	5.9999	0.1755	0.1002	0.0241	0.0484
35	31.37	0.05	0.0426	5.9999	0.0061	5.9999	0.1432	0.0972	0.0264	0.0430
36	31.65	0.00	0.0453	5.9999	0.0053	5.9999	0.1806	0.1099	0.0250	0.0472
37	31.91	0.04	0.0357	5.9999	0.0050	5.9999	0.1401	0.1111	0.0262	0.0468
38	32.19	0.04	0.0330	5.9999	0.0128	5.9999	0.0708	0.1121	0.0287	0.0463
39	32.45	0.02	0.0405	5.9999	0.0065	5.9999	0.1484	0.1084	0.0292	0.0438
40	32.71	0.02	0.0220	5.9999	0.0117	5.9999	0.0773	0.1128	0.0290	0.0448
41	32.98	0.04	0.0356	5.9999	0.0035	5.9999	0.1096	0.1057	0.0307	0.0405
42	33.24	0.03	0.0450	5.9999	0.0076	5.9999	0.1733	0.0987	0.0317	0.0385
43	33.49	0.05	0.0531	5.9999	0.0122	5.9999	0.2298	0.0638	0.0337	0.0217
44	33.75	0.03	0.0516	5.9999	0.0102	5.9999	0.2538	0.0722	0.0343	0.0247
45	33.99	0.04	0.0405	5.9999	0.0135	5.9999	0.2761	0.0834	0.0336	0.0288
46	34.26	0.02	0.0353	5.9999	0.0103	5.9999	0.2918	0.0813	0.0347	0.0266

PAGE 3 OF 3
 SHEET 2 OF 4

MARTIA MISSILE TAILS EFFECTS DATA

TEST PART PACH KXIG-6			PHI CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION	
7			107 0.50 1.7		0.0 B180F14 C.C		U	-30	U	-30	UNKNOWN	
PCINT	ALPHA	BETA	C.F3	CM3	CB3	XCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4
47	34.53	0.03	0.047	9.9999	0.0125	9.9999	0.3170	0.0886	0.0348	0.0300	0.3527	0.3386
48	34.77	0.04	0.0360	9.9999	0.0110	9.9999	0.2895	0.0961	0.0349	0.0323	0.3631	0.3361
49	35.00	0.03	0.0360	9.9999	0.0105	9.9999	0.2763	0.1020	0.0350	0.0344	0.3631	0.3373
50	35.24	0.00	0.0360	9.9999	0.0105	9.9999	0.2763	0.1109	0.0348	0.0401	0.2926	0.3373
51	35.54	-0.01	0.0255	9.9999	0.0066	9.9999	0.2207	0.1420	0.0346	0.0491	0.2436	0.3458
52	35.76	-0.00	0.0272	9.9999	0.0046	9.9999	0.1765	0.1451	0.0345	0.0504	0.2377	0.3473
53	36.01	-0.01	0.0272	9.9999	0.0054	9.9999	0.1985	0.1498	0.0343	0.0513	0.2285	0.3425
54	36.24	-0.01	0.0215	9.9999	0.0012	9.9999	0.0548	0.1644	0.0333	0.0572	0.2025	0.3479
55	36.47	-0.01	0.0247	9.9999	0.0014	9.9999	0.0587	0.1885	0.0345	0.0565	0.2072	0.3393
56	36.72	0.01	0.0215	9.9999	0.0017	9.9999	0.0776	0.1694	0.0342	0.0572	0.2019	0.3377
57	36.96	0.00	0.0215	9.9999	0.0007	9.9999	0.0320	0.1785	0.0342	0.0607	0.1916	0.3401
58	37.15	-0.00	0.0152	9.9999	-0.0006	9.9999	-0.0313	0.1861	0.0337	0.0635	0.1791	0.3376
59	37.44	-0.01	0.0100	9.9999	-0.0030	9.9999	-0.1807	0.1906	0.0347	0.0646	0.1820	0.3358
60	37.67	-0.01	0.0223	9.9999	0.0002	9.9999	0.0306	0.2117	0.0331	0.0703	0.1563	0.3321
61	37.89	-0.01	0.0014	9.9999	-0.0036	9.9999	-0.4266	0.1997	0.0349	0.0656	0.1747	0.3295
62	38.14	-0.01	0.0100	9.9999	-0.0024	9.9999	-0.1440	0.2344	0.0313	0.0794	0.1335	0.3387
63	38.37	0.00	0.0302	9.9999	0.0006	9.9999	0.0265	0.2196	0.0347	0.0707	0.1580	0.3215
64	38.60	0.01	0.0221	9.9999	-0.0031	9.9999	-0.1403	0.2408	0.0332	0.0786	0.1380	0.3267
65	38.82	-0.02	0.0154	9.9999	-0.0027	9.9999	-0.1392	0.2377	0.0330	0.0778	0.1388	0.3273
66	39.05	0.00	0.0114	9.9999	-0.0050	9.9999	-0.4404	0.2739	0.0296	0.0915	0.1061	0.3341
67	39.26	-0.00	0.0071	9.9999	-0.0056	9.9999	-0.6169	0.2666	0.0311	0.0880	0.1166	0.3361
68	39.50	-0.02	0.0152	9.9999	-0.0020	9.9999	-0.1316	0.2850	0.0309	0.0915	0.1084	0.3211
69	39.72	-0.02	0.0155	9.9999	-0.0032	9.9999	-0.2302	0.2853	0.0305	0.0926	0.1065	0.3246
70	39.94	-0.02	0.0065	9.9999	-0.0052	9.9999	-0.6118	0.2903	0.0300	0.0945	0.1033	0.3255
71	40.15	-0.02	0.0100	9.9999	-0.0030	9.9999	-0.1307	0.3081	0.0285	0.0995	0.0925	0.3225
72	40.34	-0.06	0.0207	9.9999	-0.0021	9.9999	-0.1014	0.3176	0.0281	0.1023	0.0885	0.3221
73	40.56	-0.02	0.0168	9.9999	-0.0026	9.9999	-0.1446	0.3074	0.0295	0.0974	0.0960	0.3185
74	40.75	-0.00	0.0065	9.9999	-0.0066	9.9999	-0.8000	0.3035	0.0300	0.0959	0.0988	0.3160
75	40.97	-0.00	0.0112	9.9999	-0.0044	9.9999	-0.3929	0.3244	0.0284	0.1028	0.0875	0.3165
76	41.16	0.02	0.0071	9.9999	-0.0056	9.9999	-0.8169	0.3315	0.0271	0.1056	0.0817	0.3192
77	41.39	-0.02	0.0125	9.9999	-0.0038	9.9999	-0.3040	0.3145	0.0295	0.0995	0.0938	0.3164
78	41.56	-0.03	0.0165	9.9999	-0.0014	9.9999	-0.0346	0.3063	0.0316	0.0967	0.1025	0.3137
79	41.78	-0.02	0.0065	9.9999	-0.0020	9.9999	-0.3115	0.3115	0.0313	0.0968	0.1005	0.3102
80	41.97	-0.01	0.0175	9.9999	-0.0012	9.9999	-0.0670	0.3022	0.0322	0.0936	0.1065	0.3057
81	42.15	0.00	0.0030	9.9999	-0.0050	9.9999	-1.8667	0.3217	0.0306	0.1004	0.0991	0.3121
82	42.37	-0.04	-0.0011	9.9999	-0.0065	9.9999	-0.9091	0.2748	0.0360	0.0818	0.1310	0.2977
83	42.55	-0.02	0.0110	9.9999	-0.0007	9.9999	-0.0830	0.3039	0.0335	0.0925	0.1115	0.3044
84	42.74	-0.03	0.0028	9.9999	-0.0014	9.9999	-0.5000	0.2808	0.0371	0.0847	0.1253	0.2953
85	42.93	-0.01	0.0233	9.9999	0.0024	9.9999	0.1030	0.2975	0.0351	0.0891	0.1178	0.2991
86	43.11	-0.01	0.0137	9.9999	0.0011	9.9999	0.0603	0.2874	0.0368	0.0853	0.1280	0.2968
87	43.27	-0.02	0.0175	9.9999	0.0005	9.9999	0.0503	0.2801	0.0383	0.0823	0.1367	0.2938
88	43.46	-0.00	0.0042	9.9999	-0.0016	9.9999	-0.4266	0.2941	0.0380	0.0867	0.1292	0.2948
89	43.66	-0.01	0.0153	9.9999	0.0005	9.9999	0.0259	0.3062	0.0363	0.0917	0.1183	0.2993
90	43.84	-0.03	0.0036	9.9999	-0.0017	9.9999	-0.0336	0.3023	0.0373	0.0895	0.1234	0.2974
91	43.99	-0.03	-0.0038	9.9999	-0.0067	9.9999	-1.7632	0.3401	0.0339	0.1032	0.0957	0.3034
92	44.16	-0.01	0.0111	9.9999	-0.0007	9.9999	-0.0631	0.3055	0.0378	0.0915	0.1237	0.2993

PAGE 3 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		RACF RX10-6		PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		107 C-9C 1.7		0.0 B10F14		C.C	0	-30	0	-30	UNKNOWN	
FCIAT	ALPHA	DETA	CONF	CH3	CH3	XCPF3	YCPF3	CONF	CH4	CH4	XCPF4	YCPF4
93	44.37	-0.04	0.0110	5.5555	-0.0002	5.5559	-0.0182	0.3178	0.0358	0.0559	0.1126	0.3018
94	44.38	-0.02	0.0152	5.5555	0.0015	5.5555	0.0781	0.3174	0.0382	0.0536	0.1203	0.2545
95	44.77	-0.01	0.0153	5.5555	0.0010	5.5559	0.0518	0.3000	0.0390	0.0551	0.1300	0.2970
96	44.93	-0.01	0.0220	5.5555	0.0017	5.5555	0.0773	0.3204	0.0384	0.0550	0.1158	0.2965
97	45.12	-0.02	0.0302	5.5555	0.0012	5.5555	0.1463	0.3207	0.0380	0.0961	0.1185	0.2597
98	45.29	-0.01	0.0129	5.5555	0.0004	5.5555	0.0323	0.3212	0.0313	0.0554	0.1161	0.2570
99	45.45	-0.02	0.0300	5.5555	0.0001	5.5559	0.2033	0.3137	0.0391	0.0535	0.1246	0.2981
100	45.67	-0.02	0.0192	5.5555	0.0013	5.5559	0.0781	0.3199	0.0390	0.0557	0.1219	0.2992
101	45.85	-0.02	0.0151	5.5555	0.0047	5.5559	0.2461	0.3255	0.0385	0.0570	0.1167	0.2960
102	46.02	-0.02	0.0138	5.5555	0.0011	5.5555	0.0797	0.3045	0.0374	0.1083	0.1026	0.2971
103	46.17	-0.01	0.0179	5.5555	0.0005	5.5555	0.0503	0.3180	0.0402	0.0548	0.1264	0.2581
104	46.33	-0.03	0.0151	5.5555	0.0012	5.5555	0.0795	0.3462	0.0374	0.1047	0.1080	0.3024
105	46.54	-0.00	0.0301	5.5555	0.0058	5.5559	0.1360	0.3251	0.0409	0.0566	0.1258	0.2971
106	46.69	-0.04	0.0165	5.5555	0.0013	5.5555	0.0708	0.3542	0.0389	0.1062	0.1098	0.2598
107	46.86	-0.02	0.0165	5.5555	0.0024	5.5555	0.1455	0.3563	0.0390	0.1062	0.1094	0.3037
108	47.06	-0.06	0.0233	5.5555	0.0035	5.5555	0.1502	0.3443	0.0406	0.1043	0.1179	0.3029
109	47.23	-0.02	0.0073	5.5555	-0.0010	5.5555	-0.1205	0.3308	0.0381	0.1136	0.1027	0.3064
110	47.39	-0.02	0.0175	5.5555	0.0025	5.5555	0.1357	0.3401	0.0422	0.1021	0.1241	0.3062
111	47.57	0.01	0.0165	5.5555	0.0013	5.5559	0.0768	0.3544	0.0415	0.1070	0.1171	0.3015
112	47.76	-0.01	0.0054	5.5555	-0.0051	5.5559	0.3420	0.3030	0.0414	0.1074	0.1148	0.2978
113	47.93	-0.05	0.0153	5.5555	0.0021	5.5555	0.1088	0.3447	0.0441	0.1017	0.1279	0.2550
114	48.09	-0.03	0.0123	5.5555	0.0021	5.5555	0.1707	0.3365	0.0448	0.0996	0.1331	0.2960
115	48.27	-0.05	0.0110	5.5555	0.0015	5.5555	0.1727	0.3485	0.0433	0.1047	0.1242	0.3004
116	48.45	-0.02	0.0123	5.5555	0.0020	5.5555	0.2114	0.3362	0.0423	0.1126	0.1124	0.2593
117	48.63	-0.02	0.0015	5.5555	-0.0020	5.5559	-1.3333	0.3360	0.0412	0.1185	0.1040	0.2552
118	48.80	-0.02	0.0151	5.5555	0.0020	5.5559	0.1854	0.3704	0.0427	0.1122	0.1134	0.2981
119	48.98	-0.04	0.0154	5.5555	-0.0006	5.5559	-0.0305	0.4087	0.0403	0.1240	0.0991	0.3045
120	49.15	-0.04	0.0070	5.5555	-0.0016	5.5559	-0.2206	0.3906	0.0409	0.1201	0.1026	0.3013
121	49.32	-0.01	0.0043	5.5555	-0.0010	5.5555	-0.1205	0.4119	0.0395	0.1259	0.0555	0.3057
122	49.50	0.04	0.0215	5.5555	0.0023	5.5559	0.1050	0.4542	0.0367	0.1422	0.0755	0.3057
123	49.69	0.05	0.0302	5.5555	0.0024	5.5555	0.0775	0.4942	0.0360	0.1547	0.0668	0.3130
124	49.86	0.05	0.0358	5.5555	0.0035	5.5555	0.1096	0.5304	0.0315	0.1644	0.0554	0.3100
125	50.10	0.06	0.0384	5.5555	0.0041	5.5555	0.1088	0.5411	0.0316	0.1651	0.0584	0.3125
126	50.23	0.02	0.0503	5.5555	0.0115	5.5559	0.2206	0.5512	0.0445	0.1162	0.1137	0.2970
127	50.42	0.05	0.0363	5.5555	0.0057	5.5555	0.1780	0.5696	0.0455	0.1164	0.1168	0.2988
128	50.60	0.01	0.0451	5.5555	0.0103	5.5559	0.2090	0.5903	0.0449	0.1202	0.1133	0.3033
129	50.76	0.06	0.0354	5.5555	0.0082	5.5559	0.2316	0.5999	0.0451	0.1215	0.1128	0.3038
130	50.93	0.04	0.0272	5.5555	0.0054	5.5559	0.1905	0.5903	0.0456	0.1193	0.1173	0.3057
131	51.12	0.01	0.0354	5.5555	0.0070	5.5559	0.2147	0.5866	0.0468	0.1198	0.1211	0.3100
132	51.30	0.03	0.0381	5.5555	0.0073	5.5559	0.1916	0.5867	0.0479	0.1219	0.1232	0.3136
133	51.46	0.03	0.0354	5.5555	0.0075	5.5555	0.2005	0.5905	0.0486	0.1215	0.1244	0.3111
134	51.64	0.05	0.0313	5.5555	0.0052	5.5559	0.1601	0.5800	0.0490	0.1159	0.1303	0.3150
135	51.83	0.04	0.0407	5.5555	0.0058	5.5555	0.2359	0.5919	0.0479	0.1258	0.1222	0.3210
136	52.00	0.05	0.0395	5.5555	0.0058	5.5559	0.1960	0.6046	0.0455	0.1332	0.1134	0.3291
137	52.15	0.06	0.0354	5.5555	0.0060	5.5559	0.1595	0.5994	0.0465	0.1314	0.1174	0.3298
138	52.35	0.05	0.0436	5.5555	0.0067	5.5559	0.1537	0.6053	0.0472	0.1358	0.1164	0.3351

PAGE 3 OF 3
SHEET 4 OF 4

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART			WACH	RTIO-E	PHI	CCNF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7			107	C.90	1.7	0.0	BLNCP14	C.C	0	-30	0	-30	UNKNOWN
PLINT	ALPHA	BETA	LNFE	LNH	Co3	XCPF3	YCPF3	LNFE	LNH	Co4	XCPF4	YCPF4	
139	52.51	0.05	0.0516	5.9999	0.0105	5.9999	0.2035	0.4088	0.0467	0.1399	0.1142	0.3422	
140	52.00	0.07	0.0465	5.9999	0.0087	5.9999	0.1779	0.4049	0.0464	0.1384	0.1158	0.3418	
141	52.82	0.07	0.0465	5.9999	0.0097	5.9999	0.1984	0.3978	0.0471	0.1380	0.1184	0.3465	
142	53.02	0.05	0.0437	5.9999	0.0045	5.9999	0.1030	0.4042	0.0467	0.1429	0.1155	0.3535	
143	53.18	0.05	0.0466	5.9999	0.0033	5.9999	0.2111	0.4140	0.0450	0.1482	0.1087	0.3580	
144	53.30	0.06	0.0440	5.9999	0.0071	5.9999	0.1449	0.4136	0.0455	0.1471	0.1100	0.3557	
145	53.52	0.03	0.0515	5.9999	0.0085	5.9999	0.1728	0.4127	0.0457	0.1481	0.1107	0.3585	
146	53.69	0.08	0.0445	5.9999	0.0084	5.9999	0.1347	0.4156	0.0459	0.1483	0.1164	0.3568	
147	53.83	0.09	0.0515	5.9999	0.0094	5.9999	0.1625	0.4168	0.0455	0.1518	0.1086	0.3625	
148	54.01	0.11	0.0366	5.9999	0.0056	5.9999	0.1530	0.4192	0.0450	0.1512	0.1073	0.3607	
149	54.17	0.17	0.0476	5.9999	0.0066	5.9999	0.1008	0.4218	0.0457	0.1532	0.1083	0.3632	
150	54.31	0.11	0.0434	5.9999	0.0050	5.9999	0.1152	0.4148	0.0459	0.1520	0.1106	0.3664	
151	54.48	0.07	0.0352	5.9999	0.0065	5.9999	0.1547	0.4238	0.0449	0.1531	0.1099	0.3613	
152	54.64	0.06	0.0474	5.9999	0.0051	5.9999	0.1920	0.4230	0.0460	0.1533	0.1087	0.3624	
153	54.78	0.06	0.0435	5.9999	0.0034	5.9999	0.0762	0.4244	0.0451	0.1553	0.1083	0.3655	
154	54.94	0.06	0.0440	5.9999	0.0034	5.9999	0.0746	0.4308	0.0455	0.1572	0.1056	0.3644	
155	55.08	0.04	0.0465	5.9999	0.0045	5.9999	0.1002	0.4241	0.0453	0.1542	0.1068	0.3632	
156	55.24	0.06	0.0446	5.9999	0.0041	5.9999	0.0715	0.4302	0.0454	0.1560	0.1055	0.3673	
157	55.39	0.06	0.0352	5.9999	0.0054	5.9999	0.1534	0.4336	0.0449	0.1581	0.1035	0.3644	
158	55.54	0.05	0.0355	5.9999	0.0026	5.9999	0.0658	0.4335	0.0459	0.1591	0.1055	0.3670	
159	55.69	0.04	0.0408	5.9999	0.0075	5.9999	0.1347	0.4315	0.0444	0.1547	0.1029	0.3585	
160	55.84	0.06	0.0463	5.9999	0.0037	5.9999	0.0749	0.4471	0.0439	0.1596	0.0982	0.3570	
161	56.00	0.06	0.0436	5.9999	0.0035	5.9999	0.0603	0.4511	0.0435	0.1600	0.0964	0.3547	
162	56.16	0.05	0.0407	5.9999	0.0054	5.9999	0.1327	0.4444	0.0445	0.1562	0.1000	0.3511	
163	56.31	0.01	0.0380	5.9999	0.0041	5.9999	0.1079	0.4523	0.0444	0.1584	0.0981	0.3501	
164	56.44	0.02	0.0312	5.9999	0.0041	5.9999	0.1314	0.4477	0.0448	0.1599	0.1001	0.3482	
165	56.62	0.04	0.0352	5.9999	0.0060	5.9999	0.1705	0.4571	0.0443	0.1587	0.0965	0.3472	
166	56.78	0.01	0.0300	5.9999	0.0003	5.9999	0.0100	0.4507	0.0448	0.1578	0.0994	0.3501	
167	56.92	-0.01	0.0408	5.9999	0.0043	5.9999	0.1054	0.4633	0.0452	0.1624	0.0975	0.3505	
168	57.07	-0.02	0.0353	5.9999	0.0035	5.9999	0.1558	0.4585	0.0456	0.1595	0.0994	0.3487	
169	57.23	-0.00	0.0271	5.9999	0.0053	5.9999	0.1956	0.4526	0.0452	0.1577	0.0999	0.3484	
170	57.38	-0.00	0.0360	5.9999	0.0051	5.9999	0.1342	0.4661	0.0455	0.1615	0.0976	0.3465	
171	57.52	-0.01	0.0272	5.9999	0.0032	5.9999	0.1176	0.4747	0.0440	0.1629	0.0927	0.3432	
172	57.67	-0.00	0.0271	5.9999	0.0043	5.9999	0.1587	0.4652	0.0432	0.1684	0.0890	0.3471	
173	57.83	-0.03	0.0272	5.9999	0.0022	5.9999	0.0609	0.4752	0.0443	0.1640	0.0932	0.3451	
174	57.96	-0.05	0.0353	5.9999	0.0045	5.9999	0.1368	0.4623	0.0427	0.1684	0.0867	0.3421	
175	58.11	-0.08	0.0255	5.9999	0.0034	5.9999	0.1137	0.4592	0.0444	0.1568	0.0967	0.3415	
176	58.26	-0.06	0.0054	5.9999	0.0034	5.9999	0.3617	0.4688	0.0437	0.1613	0.0932	0.3441	
177	58.40	-0.07	0.0150	5.9999	0.0026	5.9999	0.1368	0.4397	0.0460	0.1512	0.1048	0.3435	
178	58.52	-0.06	0.0271	5.9999	0.0053	5.9999	0.1956	0.4337	0.0459	0.1447	0.1058	0.3452	
179	58.56	-0.05	0.0150	5.9999	0.0017	5.9999	0.1133	0.4273	0.0464	0.1465	0.1086	0.3428	
180	58.11	-0.01	0.0255	5.9999	0.0021	5.9999	0.0611	0.4699	0.0443	0.1621	0.0943	0.3456	

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		PACF		RAIC	PHI	CONF	C	DELI	DELZ	CEL3	CEL4	TRANSITION		
7		108		1.00	1.7	C.C		8 INCF14	C.C	0	-30	0	-30	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CY	CLM	CLL	CA	CAB	CAF	XCP			
1	-5.58	0.01	-2.30E6	8.0347	0.1842	-0.5076	0.0330	1.3799	0.4089	0.9730	-3.4803			
2	-5.58	0.01	-2.3071	8.0621	0.2224	-0.4525	0.0330	1.3725	0.3982	0.9743	-3.4545			
3	-5.58	0.01	-2.3102	8.0221	0.1757	-0.3532	0.0328	1.3710	0.4019	0.9691	-3.4725			
4	-5.58	0.00	-2.3203	8.0583	0.1911	-0.3652	0.0327	1.3786	0.4001	0.9785	-3.4730			
5	-4.41	0.00	-2.2200	8.2324	0.1543	-0.3474	0.0452	1.3067	0.3140	0.9927	-3.7419			
6	-2.60	0.0	-1.9575	7.5536	0.0755	-0.0858	0.0156	1.2395	0.2366	1.0031	-3.9817			
7	-0.91	-0.01	-1.7540	7.5085	-0.0004	-0.0808	0.0161	1.1970	0.2265	0.9685	-4.1641			
8	0.86	0.0	-1.5467	7.0012	0.0753	-0.0881	0.0166	1.1508	0.2316	0.9192	-4.5265			
9	2.60	-0.00	-1.2782	6.4554	0.0362	-0.0721	0.0170	1.0921	0.2265	0.8651	-5.0349			
10	4.40	-0.00	-1.0313	5.9243	0.0241	-0.0659	0.0175	1.0440	0.2245	0.8155	-5.7443			
11	6.18	0.00	-0.7873	5.4222	0.0298	-0.0131	0.0178	0.9601	0.2275	0.7526	-6.8870			
12	7.99	0.00	-0.5047	4.9475	0.0531	-0.0435	0.0126	0.9062	0.2237	0.6645	-9.8044			
13	9.70	-0.00	-0.2052	4.5204	-0.0155	-0.0088	0.0108	0.8408	0.2185	0.6279	-16.7522			
14	11.50	-0.00	-0.0712	4.0014	-0.0186	0.0419	0.0253	0.7713	0.2155	0.5558	56.1702			
15	13.33	0.00	0.3401	3.5880	-0.0035	0.0591	0.0259	0.7177	0.2176	0.4555	10.4917			
16	15.15	0.00	0.6435	3.1230	-0.0405	0.1242	0.0146	0.6555	0.2126	0.4435	4.6458			
17	17.03	-0.00	0.9046	2.7504	-0.1063	0.2348	0.0153	0.5928	0.2136	0.3792	2.8513			
18	18.90	-0.00	1.1311	2.4406	-0.1811	0.4509	0.0155	0.5304	0.2157	0.3207	1.8806			
19	20.75	-0.00	1.4464	2.1058	-0.1558	0.7017	0.0101	0.4905	0.2257	0.2807	1.4013			
20	22.62	-0.00	2.0423	2.4465	-0.2046	0.7413	0.0	0.4446	0.2249	0.2157	1.2056			
21	24.55	0.00	2.5621	2.8054	-0.0607	0.3909	0.0156	0.3938	0.2145	0.1766	1.0823			
22	26.49	0.04	3.1135	3.1957	0.3524	-0.7414	0.0558	0.3407	0.2147	0.1260	1.0277			
23	28.34	0.06	3.5424	3.5707	0.7445	-1.0142	0.1119	0.3061	0.2259	0.0651	1.0077			
24	28.30	0.06	3.5575	3.0580	0.8261	-1.1550	0.1000	0.3090	0.2213	0.0876	1.0168			
25	26.74	0.05	3.8800	3.7502	0.5242	-1.1608	0.1116	0.3147	0.2214	0.0532	1.0193			
26	24.01	0.07	3.7650	3.9187	0.7758	-1.5093	0.1131	0.2944	0.2221	0.0722	1.0344			
27	26.31	0.06	3.8354	3.9123	0.6326	-1.2206	0.1011	0.2912	0.2234	0.0677	1.0190			
28	24.65	0.06	3.4554	3.9451	0.8851	-1.4761	0.1144	0.2903	0.2227	0.0675	0.9984			
29	26.53	0.05	3.4452	4.0478	0.6535	-1.2805	0.1136	0.2818	0.2242	0.0576	1.0132			
30	30.21	0.06	4.1190	4.2351	0.8058	-1.7596	0.1324	0.2788	0.2262	0.0526	1.0292			
31	30.48	0.06	4.1171	4.3305	0.6418	-0.9220	0.1022	0.2770	0.2217	0.0553	1.0518			
32	30.77	0.08	4.3026	4.4316	0.8710	-1.5456	0.1390	0.2770	0.2232	0.0538	1.0313			
33	31.03	0.05	4.3452	4.4547	0.7520	-1.4426	0.1273	0.2688	0.2218	0.0470	1.0335			
34	31.31	0.07	4.4640	4.6251	0.8763	-1.4685	0.1513	0.2694	0.2218	0.0476	1.0324			
35	31.59	0.08	4.5316	4.6512	0.7550	-1.2423	0.1395	0.2672	0.2211	0.0461	1.0264			
36	31.86	0.07	4.6071	4.7116	0.5531	-1.7645	0.1702	0.2674	0.2230	0.0444	1.0051			
37	32.13	0.06	4.7056	4.7150	0.8404	-1.7590	0.1583	0.2650	0.2231	0.0415	1.0028			
38	32.41	0.05	4.8377	4.8582	0.7576	-1.6311	0.1413	0.2514	0.2155	0.0359	1.0042			
39	32.67	0.03	4.8850	4.9401	0.4740	-0.9445	0.0935	0.2516	0.2140	0.0274	1.0113			
40	32.92	0.03	5.0065	4.9319	0.4504	-0.8285	0.0826	0.2523	0.2126	0.0197	0.9850			
41	33.19	0.03	5.0650	4.9625	0.4277	-0.7390	0.0945	0.2242	0.2129	0.0113	0.9741			
42	33.45	0.03	5.2275	4.9736	0.5036	-1.0745	0.1071	0.2295	0.2152	0.0143	0.9323			
43	33.70	0.02	5.2954	5.0362	0.3352	-0.4215	0.0632	0.2186	0.2135	0.0033	0.9511			
44	33.95	0.03	5.3426	4.9504	0.3158	-0.5508	0.0603	0.2144	0.2115	0.0025	0.9266			
45	34.21	0.03	5.5276	4.9748	0.3247	-0.6014	0.1076	0.2104	0.2115	0.0065	0.8819			
46	34.45	0.03	5.5653	4.9475	0.3045	-0.4744	0.0784	0.2082	0.2085	-0.0003	0.8890			

PAGE 1 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			WACF	XX10-0	PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7			100	1.00	1.7	U.C	B160F14	C.C	0	-30	0	-30	UNKNOWN
PLINT	ALPHA	BETA	CN	CLM	CV	CLA	CLL	CA	CAB	CAF	XCP		
47	34.72	0.05	5.7058	4.5034	0.4527	-0.5893	0.1199	0.2015	0.2032	-0.0067	0.6699		
48	34.96	0.06	5.7145	4.5113	0.4571	-1.1008	0.1439	0.2003	0.2116	-0.0053	0.6412		
49	35.20	0.04	5.5193	4.5565	0.3223	-0.3044	0.1144	0.1883	0.2046	-0.0165	0.6205		
50	35.45	0.04	6.0363	4.6711	0.3444	-0.3373	0.1097	0.1742	0.2015	-0.0273	0.6070		
51	35.65	0.04	6.0700	4.6155	0.4012	-0.5843	0.1450	0.1722	0.2052	-0.0330	0.7936		
52	35.93	0.05	6.1833	4.6859	0.4302	-0.3058	0.1102	0.1962	0.2013	-0.0471	0.7902		
53	36.18	0.05	6.3238	4.6462	0.2265	-0.0286	0.0805	0.1361	0.1904	-0.0603	0.7688		
54	36.41	0.05	6.2959	4.6060	0.4177	-0.3826	0.1226	0.1307	0.1979	-0.0592	0.7515		
55	36.64	0.05	6.4758	4.7172	0.6808	-0.5465	0.1233	0.1299	0.1972	-0.0673	0.7284		
56	36.88	0.04	6.6258	4.6221	0.3501	-0.4435	0.1302	0.1051	0.1896	-0.0845	0.6981		
57	37.12	0.03	6.7144	4.6205	0.3722	-0.4843	0.1007	0.0875	0.1856	-0.0563	0.6882		
58	37.36	0.04	6.7506	4.5505	0.4508	-0.6094	0.1128	0.0800	0.1927	-0.1041	0.6705		
59	37.60	0.05	6.5358	4.5865	0.5714	-0.8560	0.1371	0.0841	0.1922	-0.1081	0.6466		
60	37.83	0.04	6.5566	4.5552	0.4801	-0.7291	0.1255	0.0760	0.1892	-0.1106	0.6373		
61	38.07	0.05	7.1470	4.3666	0.6171	-0.9195	0.1438	0.0666	0.1916	-0.1252	0.6095		
62	38.24	0.03	7.1820	4.3505	0.5654	-0.5803	0.1141	0.0602	0.1911	-0.1249	0.6131		
63	38.53	0.04	7.2357	4.5755	0.5155	-0.6002	0.1376	0.0584	0.1869	-0.1285	0.6048		
64	38.76	0.03	7.3274	4.5401	0.4660	-0.6351	0.1208	0.0307	0.1822	-0.1455	0.5934		
65	38.98	0.01	7.3658	4.5364	0.2365	-0.4586	0.0914	0.0336	0.1838	-0.1502	0.6023		
66	39.19	0.03	7.4560	4.2750	0.4305	-0.6489	0.1505	0.0409	0.1943	-0.1534	0.5703		
67	39.43	0.03	7.5666	4.2435	0.5306	-0.7474	0.1627	0.0394	0.1917	-0.1523	0.5613		
68	39.63	0.02	7.6307	4.3465	0.3176	-0.5552	0.0904	0.0130	0.1761	-0.1651	0.5667		
69	39.84	0.04	7.7104	4.2257	0.6134	-0.8354	0.1518	0.0215	0.1904	-0.1685	0.5481		
70	40.05	0.01	7.8061	4.3243	0.3206	-0.7010	0.0818	0.0130	0.1834	-0.1704	0.5540		
71	40.26	0.03	7.5009	4.2507	0.4574	-0.7200	0.0998	-0.0103	0.1782	-0.1885	0.5380		
72	40.47	0.02	7.5434	4.3010	0.3626	-0.8421	0.0826	-0.0062	0.1797	-0.1855	0.5451		
73	40.66	0.03	8.0322	4.3765	0.4736	-0.6459	0.1162	-0.0083	0.1816	-0.1899	0.5449		
74	40.86	0.02	8.1081	4.2751	0.3556	-0.6715	0.0832	-0.0140	0.1790	-0.1944	0.5278		
75	41.09	0.02	8.1283	4.2354	0.3865	-0.8462	0.1067	-0.0174	0.1811	-0.1985	0.5211		
76	41.28	0.04	8.2425	4.2055	0.4594	-0.8013	0.1308	-0.0164	0.1809	-0.1973	0.5104		
77	41.50	0.03	8.3363	4.2506	0.4628	-1.0203	0.0961	-0.0303	0.1771	-0.2074	0.5108		
78	41.70	0.04	8.3064	4.2810	0.4492	-0.8544	0.1135	-0.0370	0.1775	-0.2145	0.5152		
79	41.90	0.04	8.3543	4.3726	0.5218	-1.0567	0.0731	-0.0612	0.1726	-0.2336	0.5209		
80	42.04	0.04	8.4000	4.3501	0.4501	-0.8079	0.0911	-0.0550	0.1702	-0.2336	0.5183		
81	42.28	0.04	8.4748	4.3367	0.4373	-1.0818	0.0617	-0.0546	0.1799	-0.2345	0.5117		
82	42.48	0.03	8.5955	4.3071	0.3875	-0.7183	0.1152	-0.0505	0.1854	-0.2419	0.5078		
83	42.66	0.03	8.6473	4.3601	0.4411	-0.6955	0.1095	-0.0522	0.1842	-0.2364	0.5042		
84	42.84	0.03	8.6482	4.4000	0.4570	-1.0000	0.0740	-0.0506	0.1844	-0.2410	0.5133		
85	43.02	0.02	8.7181	4.4221	0.3857	-0.3778	0.0976	-0.0597	0.1851	-0.2448	0.5072		
86	43.21	0.02	8.8000	4.3550	0.3004	-0.8031	0.0748	-0.0744	0.1800	-0.2602	0.4980		
87	43.37	0.02	8.8615	4.3562	0.3165	-0.4552	0.0863	-0.0775	0.1785	-0.2580	0.4963		
88	43.56	0.02	8.9353	4.3501	0.2377	-0.3500	0.0749	-0.0750	0.1851	-0.2605	0.5051		
89	43.74	0.02	9.0000	4.4484	0.2571	-0.0547	0.1135	-0.0544	0.1948	-0.2592	0.4942		
90	43.93	0.01	9.0426	4.3000	0.2000	-0.3000	0.0431	-0.0749	0.1851	-0.2600	0.4002		
91	44.09	0.02	9.1400	4.4052	0.3437	-0.3343	0.0934	-0.0791	0.1891	-0.2682	0.4887		
92	44.28	0.00	9.3189	4.3945	0.2845	-0.7773	0.0560	-0.0775	0.1795	-0.2570	0.4716		

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

FLINT	TEST PART NACH R11C-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	MCP
	1	108	1.00	1.1	0.0	8140F14	0.0	0	-30	0	-30	UNKNOWN
FLINT	ALPHA	BETA	CA	CLM	CL	CLL	CLL	CLL	CLL	CAF	MCP	MCP
93	44.48	0.01	5.3658	4.4262	0.3161	-0.5450	0.0767	-0.0924	0.1815	-0.2739	0.4726	0.4726
94	44.64	0.01	5.3884	4.3424	0.2426	-0.4880	0.0765	-0.0708	0.1889	-0.2677	0.4626	0.4626
95	44.83	0.01	5.4886	4.3228	0.3582	-0.6438	0.0714	-0.0792	0.1886	-0.2658	0.4557	0.4557
96	45.02	0.01	5.5412	4.3164	0.3413	-0.3526	0.1008	-0.0850	0.1837	-0.2667	0.4521	0.4521
97	45.20	0.01	5.6201	4.2513	0.2714	-0.2449	0.0889	-0.0726	0.1871	-0.2557	0.4461	0.4461
98	45.38	-0.01	5.7318	4.0436	0.2824	-0.4808	0.0780	-0.0618	0.1857	-0.2675	0.4155	0.4155
99	45.58	-0.01	5.8001	4.1758	0.1715	-0.0078	0.0826	-0.0796	0.1873	-0.2665	0.4265	0.4265
100	45.75	-0.00	5.8554	4.1318	0.3567	-1.0849	0.0726	-0.0726	0.1946	-0.2672	0.4191	0.4191
101	45.92	0.00	5.9769	4.2563	0.2846	-0.2361	0.0841	-0.0806	0.1935	-0.2741	0.4265	0.4265
102	46.04	-0.01	10.0671	4.1878	0.2852	-0.5057	0.0790	-0.0757	0.1947	-0.2704	0.4152	0.4152
103	46.26	-0.00	5.9873	4.1788	0.1901	-0.0052	0.0891	-0.0802	0.1906	-0.2708	0.4152	0.4152
104	46.44	-0.01	10.1054	4.1883	0.2024	-0.3041	0.0846	-0.0857	0.1947	-0.2804	0.4145	0.4145
105	46.62	0.01	10.1371	4.3211	0.2553	-0.0572	0.0836	-0.0799	0.1935	-0.2734	0.4262	0.4262
106	46.78	0.00	10.1834	4.2582	0.2051	-0.2082	0.0830	-0.0762	0.2034	-0.2801	0.4219	0.4219
107	46.96	0.02	10.1853	4.7103	0.3174	-0.0681	0.0966	-0.0221	0.2585	-0.2384	0.4632	0.4632
108	47.15	0.01	10.2201	4.3872	0.2462	-0.2745	0.0844	-0.0279	0.3170	-0.2850	0.4469	0.4469
109	47.31	0.02	10.1816	4.4378	0.3760	-0.1311	0.0854	-0.0202	0.3311	-0.3109	0.4359	0.4359
110	47.48	0.04	10.4275	3.3606	0.5705	-0.0327	0.0775	-0.0052	0.3313	-0.3365	0.3223	0.3223
111	47.67	0.03	10.6350	3.0886	0.3835	-0.5544	0.0704	-0.0200	0.3340	-0.3540	0.2685	0.2685
112	47.85	0.03	10.5444	3.1024	0.3466	-0.5281	0.0645	-0.0049	0.3433	-0.3542	0.2429	0.2429
113	48.03	0.03	10.6374	2.5884	0.3845	-0.5288	0.0575	-0.0053	0.3587	-0.3587	0.2376	0.2376
114	48.19	0.04	10.5444	2.2854	0.3392	-1.4280	0.0324	-0.0336	0.3833	-0.3457	0.2088	0.2088
115	48.39	0.05	11.1333	1.9506	0.4142	-1.4391	0.0206	-0.0342	0.3783	-0.3241	0.1752	0.1752
116	48.57	0.04	11.4537	1.2007	0.3142	-1.4318	0.0315	-0.0747	0.3949	-0.3252	0.1048	0.1048
117	48.71	0.04	11.1523	1.5554	0.2504	-1.4584	0.0330	-0.0732	0.3910	-0.3178	0.1789	0.1789
118	48.93	0.05	11.0023	1.0117	0.3421	-1.9566	0.0318	-0.0708	0.4035	-0.3329	0.0888	0.0888
119	49.08	0.05	11.6225	1.0381	0.3545	-2.0593	0.0316	-0.0695	0.4030	-0.3335	0.0889	0.0889
120	49.20	0.06	11.7758	0.9752	0.4535	-1.9533	0.0437	-0.0578	0.4042	-0.3484	0.0828	0.0828
121	49.48	0.06	11.7784	1.0000	0.4134	-2.1801	0.0431	-0.0651	0.4027	-0.3376	0.0854	0.0854
122	49.64	0.06	11.8275	1.0830	0.4388	-2.1550	0.0376	-0.0610	0.3926	-0.3316	0.0916	0.0916
123	49.81	0.06	11.9403	1.0563	0.4401	-2.0937	0.0382	-0.0513	0.3904	-0.3391	0.0918	0.0918
124	50.01	0.06	12.1325	0.9744	0.4541	-1.7598	0.0437	-0.0307	0.3833	-0.3548	0.0803	0.0803
125	50.19	0.06	12.1216	1.1051	0.4560	-1.8756	0.0396	-0.0297	0.3862	-0.3565	0.0515	0.0515
126	50.35	0.04	12.2545	0.7721	0.4614	-1.8790	0.0409	-0.0066	0.3821	-0.3755	0.0628	0.0628
127	50.53	0.05	12.3251	0.8098	0.4508	-1.8744	0.0469	-0.0173	0.3908	-0.3735	0.0657	0.0657
128	50.72	0.04	12.5517	0.4457	0.4457	-1.0988	0.0496	-0.0178	0.3909	-0.3791	0.0358	0.0358
129	50.87	0.04	12.4923	0.5537	0.4427	-1.2594	0.0459	-0.0273	0.3543	-0.3670	0.0443	0.0443
130	51.04	0.01	12.4850	0.3751	0.2971	-0.6333	0.0507	-0.0088	0.3889	-0.3801	0.0301	0.0301
131	51.20	0.03	12.4732	0.4724	0.4743	-0.6458	0.0571	-0.0091	0.3957	-0.3866	0.0379	0.0379
132	51.36	0.01	12.3382	0.2540	0.2588	-0.5704	0.0637	-0.0011	0.3919	-0.3908	0.0202	0.0202
133	51.52	0.02	12.2276	1.0884	0.3551	-0.6314	0.0865	-0.0287	0.4001	-0.3714	0.0884	0.0884
134	51.71	0.03	12.5158	0.5475	0.4462	-0.8890	0.0804	-0.0322	0.4036	-0.3714	0.0757	0.0757
135	51.85	0.02	12.3206	1.2751	0.3328	-0.7896	0.0864	-0.0273	0.4131	-0.3858	0.1035	0.1035
136	52.02	0.01	12.3582	1.2751	0.3104	-0.8432	0.0805	-0.0339	0.4220	-0.3881	0.1032	0.1032
137	52.19	0.01	12.3848	1.2712	0.3015	-0.9152	0.0886	-0.0404	0.4323	-0.3919	0.1028	0.1028
138	52.38	0.01	12.4374	1.0984	0.3496	-1.1220	0.0738	-0.0252	0.4322	-0.4070	0.0882	0.0882

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF RX10-6											
7 100 1.00 1.7 0.6 0.100F14 0.6 0 0 -30 0 -30 UNKNOWN											
PLINT	ALPHA	BETA	CN	LLM	CY	CLN	CLL	CA	CAP	CAF	XCP
139	52.54	0.00	12.5073	0.3434	0.2217	1.5579	0.0604	0.0227	0.4435	-0.4208	0.0676
140	52.71	0.00	12.4587	0.3518	0.2605	1.3505	0.0611	0.0262	0.4465	-0.4227	0.0681
141	52.87	0.01	12.5269	0.1723	0.2254	0.9617	0.0631	0.0190	0.4327	-0.4137	0.0936

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH FXIG-6				PHI	CANF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 100 1.00 1.7				C.C	B100F14	0.0	0	-30	0	-30	UNKNOWN	
FLINT	ALPHA	deltaTA	CNF1	CH1	CH2	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.50	0.01	-0.0295	0.0008	0.0244	-0.0271	-0.0271	-1.1358	-0.0010	-0.3869	0.0009	0.3406
2	-5.50	0.01	-0.0344	0.0011	0.0224	-0.0320	-0.0320	-1.1205	-0.0035	-0.3821	0.0031	0.3306
3	-5.50	0.01	-0.0356	0.0010	0.0222	-0.0261	-0.0261	-1.1213	-0.0055	-0.3784	0.0049	0.3375
4	-5.50	0.00	-0.0332	0.0004	0.0235	-0.0271	-0.0271	-1.1270	-0.0036	-0.3845	0.0005	0.3410
5	-4.41	0.00	-0.0366	0.0010	0.0221	-0.0272	-0.0272	-1.1243	-0.0184	-0.3520	-0.0164	0.3487
6	-2.00	0.00	-0.0310	0.0013	0.0221	-0.0269	-0.0269	-1.0573	0.0274	-0.3304	-0.0259	0.3592
7	-0.91	-0.01	-0.0340	0.0008	0.0196	-0.0235	-0.0235	-0.9865	0.0310	-0.3821	-0.0314	0.3671
8	0.80	0.00	-0.0313	0.0008	0.0180	-0.0192	-0.0192	-0.9018	0.0320	-0.3358	-0.0364	0.3724
9	2.66	-0.00	-0.0263	0.0007	0.0182	-0.0260	-0.0260	-0.8143	0.0351	-0.3124	-0.0431	0.3836
10	4.40	-0.00	-0.0260	0.0005	0.0182	-0.0167	-0.0167	-0.7285	0.0369	-0.2928	-0.0506	0.4019
11	6.18	0.00	-0.0213	0.0014	0.0180	-0.0273	-0.0273	-0.6375	0.0358	-0.2716	-0.0561	0.4260
12	7.99	-0.00	-0.0211	0.0003	0.0175	0.0059	-0.0059	-0.5494	0.0349	-0.2484	-0.0635	0.4521
13	9.70	-0.00	-0.0190	0.0002	0.0263	0.0415	-0.0415	-0.4606	0.0335	-0.2273	-0.0727	0.4935
14	11.50	-0.00	-0.0190	0.0002	0.0273	0.0413	-0.0413	-0.3690	0.0298	-0.1581	-0.0806	0.5360
15	13.33	0.00	-0.0192	0.0001	0.0236	0.0321	-0.0321	-0.2869	0.0278	-0.1755	-0.0585	0.6117
16	15.15	0.00	-0.0170	0.0000	0.0204	0.0045	-0.0045	-0.2017	0.0257	-0.1462	-0.0574	0.7248
17	17.03	-0.00	-0.0161	0.0001	0.0230	0.0206	-0.0206	-0.1413	0.0227	-0.1108	-0.0606	0.8266
18	18.90	-0.00	-0.0100	0.0002	0.0155	0.0270	-0.0270	-0.0794	0.0196	-0.0873	-0.0468	1.0995
19	20.75	-0.00	-0.0107	0.0002	0.0171	0.0220	-0.0220	-0.0647	0.0177	-0.0685	-0.0642	1.0338
20	22.62	-0.00	-0.0140	0.0013	-0.0123	-0.0094	0.0085	0.0106	0.0192	-0.0503	1.8111	-4.7453
21	24.55	0.00	-0.0142	0.0003	-0.0061	-0.0317	0.0173	0.0430	0.0156	-0.0334	0.4604	-0.7767
22	26.45	0.00	0.0370	0.0014	0.0507	0.0370	1.5529	0.0667	0.0232	-0.0175	0.2615	-0.2018
23	28.34	0.00	0.0130	-0.0015	0.1172	-0.0077	0.6047	0.1262	0.0256	-0.0052	0.2028	-0.0412
24	28.38	0.00	0.0130	-0.0001	0.0540	-0.0007	0.6816	0.1192	0.0271	-0.0064	0.2273	-0.0705
25	28.74	0.05	0.1769	-0.0012	0.1100	-0.0068	0.6218	0.1218	0.0268	-0.0071	0.2200	-0.0583
26	29.01	0.07	0.1560	-0.0001	0.1192	-0.0005	0.5801	0.1371	0.0253	-0.0027	0.1845	-0.0197
27	29.31	0.08	0.1821	-0.0004	0.1050	-0.0022	0.5810	0.1343	0.0252	-0.0040	0.1876	-0.0298
28	29.65	0.08	0.2443	-0.0007	0.1280	-0.0029	0.5272	0.1474	0.0251	-0.0014	0.1697	-0.0095
29	29.93	0.05	0.2087	-0.0000	0.1134	-0.0025	0.5434	0.1421	0.0270	-0.0016	0.1500	-0.0113
30	30.21	0.00	0.2370	0.0006	0.1240	0.0025	0.5232	0.1369	0.0291	-0.0055	0.2095	-0.0396
31	30.48	0.06	0.1031	0.0008	0.0753	0.0078	0.7354	0.1138	0.0317	-0.0117	0.2785	-0.0628
32	30.77	0.06	0.2321	0.0014	0.1215	0.0060	0.5235	0.1243	0.0335	-0.0074	0.2695	-0.0595
33	31.03	0.05	0.1562	0.0004	0.1089	0.0020	0.5550	0.1163	0.0351	-0.0063	0.2567	-0.0702
34	31.31	0.07	0.2045	-0.0001	0.1125	-0.0005	0.5521	0.0969	0.0365	-0.0130	0.3731	-0.1314
35	31.59	0.06	0.1550	-0.0000	0.1078	-0.0050	0.5417	0.0968	0.0376	-0.0135	0.3805	-0.1366
36	31.80	0.07	0.2025	-0.0001	0.1275	-0.0039	0.5022	0.1016	0.0370	-0.0123	0.3641	-0.1211
37	32.13	0.06	0.2899	-0.0011	0.1364	-0.0038	0.4705	0.1110	0.0365	-0.0062	0.3288	-0.0735
38	32.41	0.05	0.2548	-0.0000	0.1371	-0.0020	0.4651	0.1235	0.0355	-0.0046	0.2658	-0.0372
39	32.67	0.03	0.1566	-0.0001	0.0844	-0.0006	0.5390	0.1096	0.0368	-0.0094	0.3397	-0.0858
40	32.92	0.03	0.0619	0.0015	0.0525	0.0307	0.8481	0.1069	0.0371	-0.0116	0.3470	-0.1104
41	33.15	0.03	0.0645	0.0015	0.0562	0.0293	0.9025	0.1096	0.0372	-0.0094	0.3354	-0.0858
42	33.45	0.03	0.1638	0.0007	0.1864	0.0045	0.6008	0.1123	0.0368	-0.0066	0.3276	-0.0766
43	33.70	0.02	0.0531	0.0022	0.0522	0.0414	0.9831	0.1028	0.0365	-0.0131	0.3732	-0.1277
44	33.95	0.03	0.0341	0.0045	0.0412	0.1253	1.0537	0.1204	0.0362	-0.0053	0.3006	-0.0440
45	34.21	0.03	0.0604	0.0022	0.0630	0.0274	0.7836	0.1094	0.0369	-0.0072	0.3372	-0.0656
46	34.45	0.03	0.0771	0.0010	0.0603	0.0130	0.7821	0.1094	0.0367	-0.0073	0.3354	-0.0667

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: RTD-6												
7 100 1.00 1.7 C.L. 810014 0.0												
DEL1 DEL2 DEL3 DEL4 TRANSITION												
0 0 0 0 0 -30 UNKNOWN												
PCINT	ALPHA	BETA	CNF1	CH1	COL	ALPF1	YCPF1	CNF2	CH2	CE2	XCPF2	YCPF2
47	34.72	0.05	0.1450	-0.0013	0.0055	-0.0007	0.5765	0.0970	0.0380	-0.0120	0.3517	-0.1237
48	34.90	0.06	0.2200	-0.0031	0.1137	-0.0141	0.5150	0.1042	0.0374	-0.0066	0.3470	-0.0604
49	35.20	0.04	0.0760	-0.0011	0.0051	-0.0143	0.8477	0.1064	0.0377	-0.0053	0.3543	-0.0498
50	35.45	0.04	0.0065	-0.0021	0.0059	-0.0314	0.9851	0.1077	0.0376	-0.0041	0.3451	-0.0381
51	35.69	0.04	0.1750	-0.0022	0.1011	-0.0122	0.5029	0.1172	0.0375	-0.0022	0.3233	-0.0168
52	35.93	0.05	0.0532	-0.0007	0.0547	-0.0132	1.0202	0.1227	0.0371	0.0015	0.3023	0.0122
53	36.18	0.03	0.0543	-0.0026	0.0526	-0.0501	1.1361	0.1357	0.0368	0.0072	0.2752	0.0535
54	36.41	0.05	0.1334	-0.0026	0.0641	-0.0195	0.6304	0.1364	0.0372	0.0069	0.2727	0.0506
55	36.64	0.05	0.0540	-0.0012	0.0723	-0.0127	0.7627	0.1501	0.0363	0.0123	0.2418	0.0815
56	36.88	0.04	0.1030	-0.0010	0.0712	-0.0097	0.6873	0.1631	0.0336	0.0268	0.1635	0.1464
57	37.12	0.05	0.1058	-0.0002	0.0724	-0.0055	0.6006	0.1941	0.0331	0.0298	0.1705	0.1535
58	37.36	0.04	0.1150	-0.0013	0.0735	-0.0112	0.6347	0.1955	0.0328	0.0304	0.1678	0.1555
59	37.60	0.05	0.1742	-0.0015	0.0802	-0.0106	0.6116	0.2109	0.0318	0.0360	0.1508	0.1707
60	37.83	0.04	0.1002	-0.0026	0.0730	-0.0150	0.5590	0.2100	0.0320	0.0344	0.1556	0.1632
61	38.07	0.05	0.1455	-0.0012	0.1016	-0.0000	0.5083	0.2158	0.0331	0.0373	0.1513	0.1705
62	38.28	0.05	0.1410	-0.0015	0.0827	-0.0004	0.5605	0.2203	0.0325	0.0390	0.1475	0.1770
63	38.53	0.04	0.1605	-0.0005	0.0865	-0.0043	0.5236	0.2215	0.0335	0.0365	0.1512	0.1648
64	38.76	0.05	0.0700	-0.0010	0.0815	-0.0132	0.6145	0.2404	0.0295	0.0487	0.1187	0.1961
65	38.98	0.01	0.1257	0.0	0.0730	0.0	0.5690	0.2397	0.0320	0.0455	0.1335	0.1858
66	39.19	0.03	0.1578	-0.0006	0.0845	-0.0038	0.5097	0.2312	0.0337	0.0428	0.1457	0.1851
67	39.43	0.03	0.1801	-0.0004	0.0530	-0.0024	0.5595	0.2380	0.0337	0.0444	0.1418	0.1856
68	39.65	0.02	0.0804	-0.0000	0.0837	0.0000	0.6041	0.2604	0.0305	0.0525	0.1171	0.2016
69	39.84	0.04	0.1210	-0.0005	0.0742	-0.0052	0.6102	0.2503	0.0323	0.0518	0.1260	0.2021
70	40.05	0.01	0.1310	-0.0000	0.0813	0.0000	0.6061	0.2622	0.0317	0.0535	0.1209	0.2056
71	40.26	0.03	0.1200	-0.0000	0.0735	0.0000	0.5773	0.2593	0.0323	0.0521	0.1245	0.2005
72	40.47	0.02	0.0845	-0.0000	0.0536	0.1131	0.6313	0.2513	0.0286	0.0605	0.0982	0.2283
73	40.68	0.03	0.1401	-0.0001	0.0751	0.0070	0.5360	0.2551	0.0331	0.0502	0.1257	0.1968
74	40.88	0.04	0.0821	-0.0000	0.0655	0.1340	0.7391	0.2572	0.0288	0.0670	0.0969	0.2254
75	41.05	0.02	0.1042	-0.0002	0.0802	0.0000	0.5768	0.2846	0.0304	0.0617	0.1088	0.2168
76	41.28	0.04	0.1625	0.0107	0.0836	0.0057	0.5132	0.2408	0.0337	0.0471	0.1354	0.1893
77	41.50	0.03	0.1403	-0.0000	0.0732	0.0070	0.5217	0.2573	0.0327	0.0493	0.1271	0.1916
78	41.70	0.04	0.1353	-0.0011	0.0727	0.0020	0.5373	0.2607	0.0330	0.0534	0.1237	0.2002
79	41.90	0.04	0.0926	-0.0000	0.0546	0.1145	0.5916	0.2512	0.0284	0.0706	0.0910	0.2262
80	42.09	0.04	0.1082	0.0117	0.0633	0.1051	0.5650	0.2624	0.0322	0.0576	0.1140	0.2040
81	42.28	0.04	0.0941	-0.0132	0.0536	0.1403	0.5090	0.2500	0.0311	0.0636	0.1048	0.2144
82	42.48	0.03	0.1170	-0.0122	0.0672	0.1043	0.5744	0.2431	0.0321	0.0613	0.1095	0.2091
83	42.66	0.03	0.1045	-0.0122	0.0622	0.1163	0.5929	0.2536	0.0365	0.0403	0.1435	0.1826
84	42.84	0.03	0.0813	-0.0055	0.0512	0.1210	0.6296	0.2602	0.0290	0.0722	0.0906	0.2255
85	43.02	0.02	0.0805	-0.0110	0.0506	0.1806	0.7387	0.2890	0.0337	0.0600	0.1166	0.2070
86	43.21	0.02	0.0810	-0.0121	0.0510	0.1494	0.6370	0.3119	0.0310	0.0645	0.0994	0.2228
87	43.37	0.02	0.0785	-0.0115	0.0515	0.1516	0.6617	0.2977	0.0333	0.0624	0.1118	0.2096
88	43.56	0.02	0.0440	-0.0107	0.0405	0.2345	0.9081	0.2642	0.0348	0.0586	0.1224	0.2065
89	43.74	0.02	0.0565	-0.0142	0.0437	0.2508	0.7748	0.2445	0.0400	0.0420	0.1636	0.1718
90	43.93	0.01	0.0850	-0.0104	0.0465	0.1585	0.7088	0.2970	0.0333	0.0638	0.1111	0.2128
91	44.05	0.02	0.0553	-0.0116	0.0445	0.1956	0.7504	0.2967	0.0333	0.0643	0.1115	0.2153
92	44.28	0.00	0.0525	-0.0088	0.0378	0.1663	0.7146	0.3513	0.0300	0.0762	0.0905	0.2300

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			MACH	AXIS	PHI	CNRF	L	DECT	DEL2	DEL3	DEL4	TRANSITION	
7			1.00	1.00	1.7	0.0	8100F14	0.0	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CNF1	CH1	CH2	XCFF1	YCPF1	CNF2	CH2	CB2	XCFF2	YCPF2	
93	44.46	0.01	0.0376	0.0101	0.0355	0.2665	0.9548	0.3044	0.0329	0.0648	0.1081	0.2124	
94	44.64	0.01	0.0277	0.0091	0.0341	0.3265	1.2310	0.2749	0.0367	0.0502	0.1345	0.1835	
95	44.83	0.01	0.0525	0.0077	0.0361	0.1455	0.7202	0.3196	0.0313	0.0686	0.0979	0.2146	
96	45.02	0.01	0.0456	0.0057	0.0415	0.1655	0.8448	0.2809	0.0352	0.0563	0.1253	0.2004	
97	45.20	0.01	0.0328	0.0085	0.0340	0.2713	1.0366	0.2725	0.0366	0.0501	0.1343	0.1838	
98	45.38	0.01	0.0666	0.0057	0.0475	0.1117	0.5518	0.3266	0.0301	0.0725	0.0916	0.2206	
99	45.56	0.01	0.0147	0.0077	0.0275	0.5237	1.8707	0.2664	0.0376	0.0475	0.1411	0.1783	
100	45.75	0.00	0.0773	0.0066	0.0425	0.1138	0.3550	0.3169	0.0311	0.0671	0.0981	0.2117	
101	45.92	0.00	0.0612	0.0067	0.0401	0.1421	0.6552	0.2931	0.0346	0.0552	0.1199	0.1903	
102	46.09	0.01	0.0550	0.0054	0.0380	0.1704	0.6909	0.2971	0.0336	0.0590	0.1131	0.2006	
103	46.26	0.00	0.0182	0.0067	0.0285	0.4780	1.5659	0.2614	0.0384	0.0443	0.1469	0.1655	
104	46.44	0.01	0.0610	0.0055	0.0392	0.1623	0.6426	0.2923	0.0351	0.0565	0.1201	0.1533	
105	46.62	0.01	0.0112	0.0066	0.0235	0.7676	2.0982	0.2664	0.0385	0.0457	0.1456	0.1728	
106	46.78	0.00	0.0056	0.0077	0.0258	0.7050	2.6320	0.2542	0.0357	0.0411	0.1562	0.1617	
107	46.96	0.02	0.0755	0.0067	0.0455	0.1152	0.8079	0.2956	0.0382	0.0603	0.1292	0.2040	
108	47.15	0.01	0.0333	0.0040	0.0334	0.1201	1.0030	0.2647	0.0399	0.0463	0.1507	0.1749	
109	47.31	0.02	0.0557	0.0104	0.0375	0.1742	0.6281	0.3364	0.0360	0.0750	0.1070	0.2225	
110	47.48	0.04	0.0451	0.0140	0.0492	0.3104	0.6474	0.3833	0.0356	0.0682	0.0929	0.2301	
111	47.67	0.03	0.0025	0.0141	0.0065	0.8614	2.9310	0.3813	0.0363	0.0658	0.0952	0.2250	
112	47.85	0.03	0.0420	0.0140	0.0038	0.3809	0.0905	0.3743	0.0377	0.0810	0.1007	0.2164	
113	48.03	0.03	0.0253	0.0138	0.0015	0.4705	0.0648	0.3791	0.0381	0.0815	0.1005	0.2160	
114	48.19	0.04	0.0526	0.0108	0.0047	0.1104	0.2662	0.3292	0.0424	0.0579	0.1288	0.1755	
115	48.35	0.05	0.0675	0.0035	0.0150	0.0574	0.2205	0.3464	0.0419	0.0632	0.1262	0.1814	
116	48.57	0.04	0.0757	0.0034	0.0134	0.0427	0.1601	0.3363	0.0415	0.0567	0.1234	0.1686	
117	48.71	0.04	0.0756	0.0023	0.0142	0.0289	0.1784	0.3342	0.0429	0.0545	0.1283	0.1631	
118	48.93	0.05	0.0626	0.0047	0.0065	0.0751	0.1036	0.3456	0.0411	0.0580	0.1189	0.1678	
119	49.08	0.05	0.0565	0.0061	0.0038	0.1036	0.0645	0.3449	0.0419	0.0569	0.1215	0.1650	
120	49.26	0.06	0.0516	0.0068	0.0007	0.1705	0.0136	0.3453	0.0410	0.0575	0.1210	0.1665	
121	49.46	0.06	0.0651	0.0075	0.0032	0.1213	0.0492	0.3508	0.0420	0.0579	0.1157	0.1651	
122	49.64	0.08	0.0666	0.0102	0.0024	0.1467	0.0350	0.3531	0.0414	0.0547	0.1172	0.1651	
123	49.81	0.06	0.0520	0.0104	0.0057	0.2003	0.1096	0.3559	0.0414	0.0599	0.1163	0.1683	
124	50.01	0.06	0.0365	0.0114	0.0130	0.3123	0.3362	0.3704	0.0385	0.0655	0.1050	0.1775	
125	50.19	0.06	0.0534	0.0145	0.0116	0.2715	0.2172	0.3647	0.0397	0.0643	0.1088	0.1763	
126	50.35	0.04	0.0390	0.0146	0.0163	0.3794	0.4179	0.3928	0.0377	0.0753	0.0960	0.1917	
127	50.53	0.05	0.0295	0.0132	0.0156	0.5387	0.8062	0.3871	0.0387	0.0727	0.1000	0.1878	
128	50.72	0.04	0.0104	0.0123	0.0117	1.1825	3.0461	0.4011	0.0396	0.0773	0.0987	0.1527	
129	50.87	0.04	0.0084	0.0136	0.0286	1.6188	3.4068	0.3997	0.0397	0.0796	0.0953	0.1691	
130	51.04	0.04	0.0356	0.0113	0.0372	0.2039	0.9547	0.4254	0.0361	0.0858	0.0854	0.2015	
131	51.20	0.03	0.0412	0.0122	0.0366	0.2961	0.8883	0.4427	0.0361	0.0936	0.0815	0.2114	
132	51.36	0.01	0.0363	0.0046	0.0387	0.0617	0.6674	0.4146	0.0399	0.0817	0.0962	0.1971	
133	51.52	0.02	0.0413	0.0025	0.0300	0.0605	0.7264	0.3726	0.0440	0.0876	0.1161	0.1814	
134	51.71	0.03	0.0194	0.0063	0.0394	0.3247	1.0000	0.3668	0.0453	0.0872	0.1235	0.1832	
135	51.85	0.02	0.0342	0.0052	0.0240	0.1520	0.7016	0.3671	0.0455	0.0884	0.1259	0.1863	
136	52.02	0.01	0.0146	0.0055	0.0186	0.4061	1.2677	0.3619	0.0463	0.0870	0.1279	0.1851	
137	52.19	0.01	0.0055	0.0058	0.0058	0.6104	1.0316	0.3619	0.0462	0.0870	0.1276	0.1851	
138	52.38	0.01	0.0256	0.0063	0.0044	0.3242	0.1719	0.3609	0.0461	0.0745	0.1210	0.1456	

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAIL EFFECTS DATA

TEST PART	MAC	REX	CFE	PHI	CONF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1	100	1.00	1.7	0.0	0.150	14	0	-30	0	-30	UNKNOWN	
PC1AT	ALPHA	BETA	CNF1	CH1	CB1	ALPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
139	52.56	0.00	-0.0456	0.0078	-0.0064	-0.1710	0.1404	0.3808	0.0466	0.0746	0.1224	0.1959
140	52.71	0.00	-0.0444	0.0074	-0.0048	-0.1660	0.1061	0.3810	0.0471	0.0741	0.1234	0.1942
141	52.87	-0.001	-0.0214	0.0056	-0.0037	-0.2616	-0.1729	0.3780	0.0464	0.0743	0.1227	0.1966

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		RACE	RIXC-6	PHI	CONF	L	CEL1	DEL2	LEC3	CEL4	TRANSITION	
7		108	1.00	1.7	C.C	B10CF14	C.C	0	-30	0	-30 UNKNOWN	
PLANT	ALPHA	BETA	CNF3	CM3	CB3	XCFF3	YCFF3	CNF4	CM4	CB4	XCFF4	YCFF4
1	-5.50	0.01	0.1144	5.5555	0.0140	5.5555	0.1224	-1.2071	-0.0163	-0.3011	0.0152	0.2494
2	-5.50	0.01	0.1070	5.5555	0.0085	5.5555	0.0794	-1.2226	-0.0166	-0.3050	0.0136	0.2495
3	-5.50	0.01	0.1056	5.5555	0.0095	5.5555	0.0538	-1.2087	-0.0161	-0.3001	0.0150	0.2483
4	-5.50	0.00	0.1065	5.5555	0.0095	5.5555	0.0509	-1.2226	-0.0162	-0.3016	0.0132	0.2468
5	-4.41	0.00	0.0770	5.5555	-0.0056	5.5555	-0.0753	-1.2871	0.0104	-0.3345	-0.0081	0.2555
6	-2.60	0.00	0.0744	5.5555	-0.0070	5.5555	-0.0741	-1.4529	0.0250	-0.3351	-0.0260	0.2675
7	-0.51	-0.01	0.0743	5.5555	-0.0060	5.5555	-0.0806	-1.1753	0.0265	-0.3162	-0.0245	0.2681
8	0.06	0.00	0.0730	5.5555	-0.0050	5.5555	-0.0767	-1.0928	0.0225	-0.2955	-0.0257	0.2708
9	2.22	-0.00	0.0788	5.5555	-0.0036	5.5555	-0.0595	-1.0034	0.0323	-0.2731	-0.0322	0.2722
10	4.40	-0.00	0.0743	5.5555	-0.0060	5.5555	-0.0806	-0.9127	0.0335	-0.2528	-0.0367	0.2770
11	6.18	0.00	0.0715	5.5555	-0.0052	5.5555	-0.1280	-0.5152	0.0336	-0.2299	-0.0412	0.2820
12	7.55	0.00	0.0765	5.5555	-0.0086	5.5555	-0.1144	-0.7300	0.0331	-0.2107	-0.0453	0.2886
13	9.70	-0.00	0.0633	5.5555	-0.0057	5.5555	-0.1164	-0.6450	0.0320	-0.1886	-0.0456	0.2927
14	11.56	-0.00	0.0606	5.5555	-0.0105	5.5555	-0.1349	-0.5562	0.0286	-0.1573	-0.0516	0.2828
15	13.53	0.00	0.0770	5.5555	-0.0117	5.5555	-0.1519	-0.4651	0.0262	-0.1313	-0.0563	0.2823
16	15.15	0.00	0.0606	5.5555	-0.0115	5.5555	-0.1473	-0.3866	0.0236	-0.0955	-0.0610	0.2584
17	17.03	-0.00	0.0656	5.5555	-0.0110	5.5555	-0.1261	-0.2642	0.0192	-0.0656	-0.0675	0.2308
18	18.50	-0.00	0.0751	5.5555	-0.0164	5.5555	-0.2056	-0.2160	0.0156	-0.0373	-0.0722	0.1727
19	20.75	-0.00	0.0622	5.5555	-0.0156	5.5555	-0.1722	-0.1585	0.0149	-0.0165	-0.0538	0.1038
20	22.62	-0.00	0.0606	5.5555	-0.0163	5.5555	-0.2015	-0.1299	0.0162	-0.0020	-0.1247	0.0154
21	24.55	0.00	0.0720	5.5555	-0.0160	5.5555	-0.2500	-0.1161	0.0186	0.0054	-0.1602	-0.0465
22	26.45	0.00	0.0662	5.5555	-0.0066	5.5555	-0.3072	-0.0935	0.0224	0.0121	-0.2395	-0.1294
23	28.34	0.06	0.1093	5.5555	-0.0022	5.5555	-0.0201	-0.0523	0.0246	0.0101	-0.2665	-0.1054
24	28.38	0.06	0.0932	5.5555	-0.0055	5.5555	-0.1062	-0.0606	0.0248	0.0135	-0.3002	-0.1634
25	28.74	0.05	0.1018	5.5555	-0.0067	5.5555	-0.0858	-0.0522	0.0243	0.0139	-0.2956	-0.1691
26	29.01	0.07	0.1005	5.5555	-0.0058	5.5555	-0.0577	-0.0822	0.0244	0.0139	-0.2968	-0.1691
27	29.31	0.06	0.1042	5.5555	-0.0055	5.5555	-0.0528	-0.0731	0.0254	0.0169	-0.3474	-0.2312
28	29.65	0.06	0.1051	5.5555	-0.0022	5.5555	-0.0202	-0.0703	0.0262	0.0156	-0.3623	-0.2158
29	29.93	0.05	0.0951	5.5555	-0.0050	5.5555	-0.0505	-0.0624	0.0262	0.0178	-0.4198	-0.2853
30	30.21	0.06	0.1164	5.5555	-0.0065	5.5555	-0.0377	-0.0624	0.0263	0.0169	-0.4214	-0.3025
31	30.48	0.06	0.1040	5.5555	-0.0046	5.5555	-0.0442	-0.0396	0.0257	0.0246	-0.6489	-0.6212
32	30.77	0.06	0.1050	5.5555	-0.0037	5.5555	-0.0339	-0.0614	0.0268	0.0166	-0.4364	-0.3029
33	31.03	0.05	0.1102	5.5555	-0.0032	5.5555	-0.0327	-0.0525	0.0280	0.0195	-0.5333	-0.3714
34	31.31	0.07	0.1065	5.5555	-0.0041	5.5555	-0.0376	-0.0456	0.0284	0.0232	-0.6200	-0.5065
35	31.59	0.06	0.1065	5.5555	-0.0053	5.5555	-0.0498	-0.0466	0.0322	0.0208	-0.6625	-0.4280
36	31.86	0.07	0.1085	5.5555	-0.0041	5.5555	-0.0376	-0.0503	0.0331	0.0178	-0.5878	-0.3162
37	32.13	0.06	0.1122	5.5555	-0.0001	5.5555	-0.0309	-0.0598	0.0339	0.0162	-0.5668	-0.2709
38	32.41	0.05	0.1174	5.5555	-0.0010	5.5555	-0.0385	-0.0655	0.0341	0.0142	-0.5205	-0.2168
39	32.67	0.03	0.1075	5.5555	-0.0038	5.5555	-0.0353	-0.0430	0.0340	0.0221	-0.7906	-0.5140
40	32.92	0.03	0.1113	5.5555	-0.0030	5.5555	-0.0270	-0.0327	0.0334	0.0264	-1.0213	-0.8226
41	33.19	0.03	0.1001	5.5555	-0.0066	5.5555	-0.0679	-0.0307	0.0345	0.0268	-1.1236	-0.8730
42	33.45	0.03	0.1030	5.5555	-0.0050	5.5555	-0.0482	-0.0364	0.0346	0.0232	-0.5504	-0.6374
43	33.70	0.02	0.0966	5.5555	-0.0065	5.5555	-0.0698	-0.0193	0.0342	0.0296	-1.7718	-1.5337
44	33.95	0.03	0.0900	5.5555	-0.0100	5.5555	-0.1111	-0.0313	0.0353	0.0246	-1.1276	-0.7923
45	34.21	0.05	0.0830	5.5555	-0.0105	5.5555	-0.1252	-0.0340	0.0351	0.0235	-1.0322	-0.6912
46	34.45	0.03	0.0866	5.5555	-0.0101	5.5555	-0.1137	-0.0256	0.0352	0.0252	-1.3748	-0.9844

PAGE 3 OF 3
 SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART NAEP EXIC-6			Phi	CONF	L	CELL	DEL2	DEL3	DEL4	TRANSITION		
7			10a	1.00	1.0	U	-30	U	-30	UNKNOWN		
PCINT	ALPHA	BETA	CNF3	Cnf3	Cb3	XCPF3	YCPF3	CNF4	Cnf4	Cb4	XCPF4	YCPF4
47	34.72	0.05	0.0912	5.5555	-0.0075	5.9999	-0.0322	-0.0231	0.0356	0.0265	-1.5409	-1.1472
48	34.70	0.06	0.0916	5.5555	-0.0053	5.9999	-0.0306	-0.0204	0.0355	0.0256	-1.3753	-0.9885
49	35.20	0.04	0.0927	5.5555	-0.0082	5.9999	-0.0924	-0.0036	0.0357	0.0326	-9.9153	-9.0555
50	35.45	0.04	0.0912	5.5555	-0.0075	5.9999	-0.0822	0.0003	0.0346	0.0375	4.1922	4.5181
51	35.65	0.04	0.0937	5.5555	-0.0091	5.5555	-0.1067	0.0009	0.0353	0.0360	39.2170	40.6000
52	35.93	0.05	0.0912	5.5555	-0.0088	5.9999	-0.1064	0.0113	0.0345	0.0367	3.0521	3.4248
53	36.18	0.03	0.0788	5.5555	-0.0050	5.9999	-0.1142	0.0352	0.0329	0.0505	0.5345	1.4347
54	36.41	0.05	0.0937	5.5555	-0.0044	5.9999	-0.0470	0.0405	0.0332	0.0504	0.8196	1.2444
55	36.64	0.05	0.0937	5.5555	-0.0066	5.9999	-0.0789	0.0432	0.0335	0.0512	0.7707	1.1852
56	36.88	0.04	0.0762	5.5555	-0.0077	5.9999	-0.1010	0.0454	0.0335	0.0515	0.7257	1.1307
57	37.12	0.03	0.0849	9.9999	-0.0058	5.5555	-0.0680	0.0617	0.0330	0.0587	0.5348	0.9514
58	37.36	0.04	0.0936	5.5555	-0.0047	5.5555	-0.0502	0.0646	0.0327	0.0594	0.5046	0.9167
59	37.60	0.05	0.0937	5.5555	-0.0042	5.9999	-0.0502	0.0639	0.0318	0.0608	0.4380	0.8375
60	37.83	0.04	0.0937	5.5555	-0.0042	5.9999	-0.0502	0.0639	0.0317	0.0642	0.3778	0.7652
61	38.07	0.05	0.0924	5.5555	-0.0038	5.5555	-0.0461	0.0929	0.0310	0.0684	0.3336	0.7363
62	38.28	0.03	0.0912	5.5555	-0.0054	5.9999	-0.0665	0.0603	0.0313	0.0699	0.3184	0.7111
63	38.53	0.04	0.0745	5.5555	-0.0064	5.5555	-0.0854	0.1019	0.0303	0.0720	0.2973	0.7066
64	38.76	0.03	0.0763	5.5555	-0.0068	5.5555	-0.0891	0.1096	0.0314	0.0703	0.2865	0.6414
65	38.98	0.01	0.0713	5.5555	-0.0061	5.9999	-0.1136	0.1114	0.0309	0.0734	0.2773	0.6589
66	39.19	0.03	0.0788	5.5555	-0.0056	5.9999	-0.0711	0.1253	0.0292	0.0777	0.2330	0.6261
67	39.43	0.03	0.0725	5.5555	-0.0068	5.9999	-0.0910	0.1262	0.0294	0.0774	0.2365	0.6133
68	39.63	0.02	0.0762	5.5555	-0.0043	5.9999	-0.0504	0.1208	0.0314	0.0748	0.2599	0.6192
69	39.84	0.04	0.0751	5.5555	-0.0055	5.5555	-0.0786	0.1331	0.0303	0.0786	0.2276	0.5905
70	40.05	0.01	0.0702	5.5555	-0.0066	5.9999	-0.0969	0.1245	0.0315	0.0766	0.2432	0.5915
71	40.26	0.03	0.0717	5.5555	-0.0080	5.9999	-0.1182	0.1322	0.0318	0.0779	0.2405	0.5853
72	40.47	0.02	0.0639	5.5555	-0.0068	5.9999	-0.1377	0.1086	0.0349	0.0680	0.3213	0.6262
73	40.66	0.03	0.0752	5.9999	-0.0054	5.9999	-0.0718	0.1409	0.0314	0.0790	0.2228	0.5607
74	40.88	0.02	0.0727	5.5555	-0.0042	5.5555	-0.0633	0.1244	0.0348	0.0719	0.2797	0.5786
75	41.09	0.02	0.0677	5.9999	-0.0060	5.5555	-0.0886	0.1268	0.0334	0.0733	0.2634	0.5781
76	41.28	0.04	0.0677	5.5555	-0.0050	5.5555	-0.0734	0.1023	0.0295	0.0650	0.1815	0.5231
77	41.50	0.03	0.0755	5.5555	-0.0021	5.9999	-0.0284	0.1534	0.0311	0.0830	0.1963	0.5246
78	41.70	0.04	0.0721	5.5555	-0.0031	5.9999	-0.0426	0.1693	0.0300	0.0882	0.1772	0.5216
79	41.90	0.04	0.0653	5.5555	-0.0043	5.5555	-0.0656	0.1426	0.0339	0.0774	0.2377	0.5428
80	42.09	0.04	0.0716	5.9999	-0.0018	5.9999	-0.0451	0.1615	0.0323	0.0839	0.2000	0.5155
81	42.28	0.04	0.0757	5.9999	-0.0005	5.9999	-0.0366	0.1693	0.0321	0.0860	0.1899	0.5089
82	42.48	0.03	0.0656	5.5555	-0.0046	5.5555	-0.0729	0.1602	0.0319	0.0866	0.1856	0.5149
83	42.66	0.03	0.0656	5.5555	-0.0033	5.9999	-0.0503	0.1949	0.0292	0.0937	0.1901	0.4617
84	42.84	0.03	0.0646	5.5555	-0.0045	5.9999	-0.0759	0.1518	0.0349	0.0777	0.2299	0.5115
85	43.02	0.02	0.0671	5.5555	-0.0032	5.9999	-0.0477	0.1906	0.0308	0.0918	0.1616	0.4816
86	43.21	0.02	0.0620	5.9999	-0.0041	5.9999	-0.0601	0.1708	0.0324	0.0865	0.1832	0.4893
87	43.37	0.02	0.0584	5.5555	-0.0064	5.9999	-0.1438	0.1674	0.0316	0.0897	0.1686	0.4767
88	43.56	0.02	0.0645	5.5555	-0.0005	5.5555	-0.1063	0.1919	0.0320	0.0908	0.1607	0.4732
89	43.74	0.02	0.0558	9.9999	-0.0078	5.9999	-0.1304	0.2204	0.0283	0.0996	0.1293	0.4519
90	43.93	0.01	0.0624	5.5555	-0.0001	5.5555	-0.1246	0.1802	0.0332	0.0893	0.1764	0.4745
91	44.09	0.02	0.0637	5.5555	-0.0065	5.9999	-0.1320	0.1852	0.0337	0.0887	0.1819	0.4735
92	44.28	0.00	0.0565	5.5555	-0.0074	5.9999	-0.1203	0.1571	0.0384	0.0755	0.2444	0.4806

PAGE 3 OF 3
SHEET 3 OF 4

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART PACH RIXC-6 7 100 1.00 1.7				PHI C.C	CONF BINOF 14	L C.C	DEL1 0	DEL2 -30	DEL3 0	DEL4 -30	TRANSITION UNKNOWN	
FLINT	ALPHA	BETA	CNF2	CNF3	CNF3	XCPF3	YCPF3	CNF4	CNF4	CE4	XCPF4	YCPF4
93	44.46	0.01	0.0650	5.9999	-0.0074	5.9999	-0.1138	0.1309	0.0355	0.0845	0.1962	0.4671
94	44.64	0.01	0.0573	5.9999	-0.0045	5.9999	-0.1058	0.12024	0.0332	0.0924	0.1640	0.4565
95	44.83	0.01	0.0527	5.9999	-0.0054	5.9999	-0.0315	0.1630	0.0397	0.0745	0.2435	0.4571
96	45.02	0.01	0.0500	5.9999	-0.0100	5.9999	-0.1093	0.1907	0.0390	0.0890	0.1759	0.4525
97	45.20	0.01	0.0410	5.9999	-0.0077	5.9999	-0.1262	0.1558	0.0350	0.0871	0.1828	0.4448
98	45.38	-0.01	0.0571	5.9999	-0.0025	5.9999	-0.1489	0.1328	0.0411	0.0708	0.2685	0.4634
99	45.56	-0.01	0.0555	5.9999	-0.0116	5.9999	-0.2075	0.1998	0.0357	0.0867	0.1767	0.4335
100	45.75	-0.00	0.0647	5.9999	-0.0074	5.9999	-0.1221	0.1384	0.0406	0.0716	0.2575	0.4520
101	45.92	-0.00	0.0555	5.9999	-0.0083	5.9999	-0.1345	0.1762	0.0392	0.0774	0.2155	0.4343
102	46.09	-0.01	0.0600	5.9999	-0.0067	5.9999	-0.1431	0.1614	0.0330	0.0766	0.2135	0.4333
103	46.26	-0.00	0.0544	5.9999	-0.0057	5.9999	-0.1783	0.2089	0.0359	0.0884	0.1718	0.4232
104	46.44	-0.01	0.0615	5.9999	-0.0001	5.9999	-0.0905	0.1915	0.0362	0.0823	0.1995	0.4298
105	46.62	0.01	0.0555	5.9999	-0.0083	5.9999	-0.1395	0.2099	0.0369	0.0882	0.1758	0.4202
106	46.78	0.00	0.0554	5.9999	-0.0073	5.9999	-0.1224	0.2093	0.0371	0.0860	0.1772	0.4109
107	46.96	0.02	0.0581	5.9999	-0.0075	5.9999	-0.1360	0.1980	0.0407	0.0802	0.2055	0.4050
108	47.15	0.01	0.0565	5.9999	-0.0104	5.9999	-0.1826	0.2010	0.0402	0.0828	0.2000	0.4115
109	47.31	0.02	0.0542	5.9999	-0.0086	5.9999	-0.1587	0.2491	0.0363	0.1001	0.1457	0.4018
110	47.48	0.04	0.0542	5.9999	-0.0051	5.9999	-0.1674	0.2548	0.0343	0.1176	0.1163	0.3994
111	47.67	0.03	0.0541	5.9999	-0.0056	5.9999	-0.1774	0.2216	0.0340	0.1264	0.1057	0.3930
112	47.85	0.03	0.0610	5.9999	-0.0060	5.9999	-0.0974	0.3425	0.0345	0.1317	0.1007	0.3845
113	48.03	0.03	0.0510	5.9999	-0.0060	5.9999	-0.0974	0.3353	0.0309	0.1267	0.1108	0.3805
114	48.19	0.04	0.0641	5.9999	-0.0060	5.9999	-0.1061	0.3120	0.0412	0.1157	0.1318	0.3701
115	48.39	0.05	0.0577	5.9999	-0.0060	5.9999	-0.1175	0.2655	0.0447	0.0578	0.1681	0.3678
116	48.57	0.04	0.0641	5.9999	-0.0056	5.9999	-0.0905	0.2518	0.0445	0.0899	0.1767	0.3570
117	48.71	0.04	0.0614	5.9999	-0.0050	5.9999	-0.0814	0.2343	0.0465	0.0848	0.1984	0.3619
118	48.93	0.05	0.0665	5.9999	-0.0041	5.9999	-0.0617	0.2324	0.0450	0.0500	0.1763	0.3566
119	49.08	0.05	0.0728	5.9999	-0.0027	5.9999	-0.0372	0.2513	0.0460	0.0890	0.1830	0.3542
120	49.26	0.06	0.0727	5.9999	-0.0017	5.9999	-0.0234	0.2457	0.0463	0.0872	0.1884	0.3549
121	49.46	0.06	0.0650	5.9999	-0.0018	5.9999	-0.0277	0.2545	0.0457	0.0882	0.1795	0.3466
122	49.64	0.06	0.0622	5.9999	-0.0017	5.9999	-0.0257	0.2533	0.0465	0.0883	0.1851	0.3466
123	49.81	0.06	0.0567	5.9999	-0.0038	5.9999	-0.0047	0.2401	0.0475	0.0833	0.1978	0.3465
124	50.01	0.06	0.0639	5.9999	-0.0039	5.9999	-0.0010	0.2416	0.0475	0.0835	0.1964	0.3453
125	50.19	0.06	0.0563	5.9999	-0.0034	5.9999	-0.1137	0.2325	0.0484	0.0796	0.2081	0.3432
126	50.35	0.04	0.0563	5.9999	-0.0030	5.9999	-0.0888	0.2407	0.0480	0.0647	0.1930	0.3406
127	50.53	0.05	0.0669	5.9999	-0.0015	5.9999	-0.0216	0.2438	0.0489	0.0829	0.2005	0.3400
128	50.72	0.04	0.0565	5.9999	-0.0033	5.9999	-0.0900	0.2380	0.0494	0.0806	0.2075	0.3387
129	50.87	0.04	0.0664	5.9999	-0.0017	5.9999	-0.0256	0.2408	0.0495	0.0803	0.2055	0.3335
130	51.04	0.01	0.0570	5.9999	-0.0045	5.9999	-0.0051	0.2369	0.0506	0.0796	0.2144	0.3365
131	51.20	0.03	0.0735	5.9999	-0.0015	5.9999	-0.0257	0.2530	0.0502	0.0866	0.1984	0.3423
132	51.36	0.01	0.0500	5.9999	-0.0064	5.9999	-0.1280	0.2570	0.0504	0.0875	0.1961	0.3405
133	51.52	0.02	0.0576	5.9999	-0.0045	5.9999	-0.0851	0.2690	0.0496	0.0523	0.1844	0.3431
134	51.71	0.03	0.0386	5.9999	-0.0083	5.9999	-0.2150	0.2706	0.0488	0.0543	0.1764	0.3408
135	51.85	0.02	0.0387	5.9999	-0.0084	5.9999	-0.2171	0.2827	0.0487	0.0569	0.1722	0.3428
136	52.02	0.01	0.0505	5.9999	-0.0033	5.9999	-0.0560	0.2958	0.0487	0.0595	0.1646	0.3364
137	52.19	0.01	0.0640	5.9999	-0.0025	5.9999	-0.0453	0.3038	0.0475	0.1024	0.1563	0.3371
138	52.36	0.01	0.0501	5.9999	-0.0025	5.9999	-0.1297	0.3351	0.0455	0.1132	0.1358	0.3378

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (ASRC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-E												
7 100 1.00 1.7			PNT CNF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION	
			C.C 014GF14		C.C		0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	LNFS	CM3	LB3	XCPF3	YCPF3	CMF4	CM4	CB4	XCPF4	YCPF4
139	52.54	0.00	0.0488	5.9555	-0.0001	5.9555	-0.1250	0.3383	0.0450	0.1128	0.1330	0.3334
140	52.71	0.00	0.0564	5.9555	-0.0055	5.9555	-0.0975	0.3406	0.0450	0.1133	0.1321	0.3326
141	52.87	-0.01	0.0526	5.9555	-0.0046	5.9555	-0.0913	0.3301	0.0463	0.1070	0.1346	0.3363

PAGE 1 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACF	RIXC-2	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	109	1.10	1.1	C.G	B10CF14	C.G	U	-30	U	-30	UNKNOWN
POINT	ALPHA	BETA	CLN	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
1	-5.76	0.01	-2.4372	8.4948	0.0260	0.0015	0.0029	1.4224	0.3172	1.1053	-3.4855
2	-5.77	0.01	-2.4455	8.4945	0.0045	0.0314	0.0028	1.4351	0.3147	1.1155	-3.4920
3	-5.76	0.01	-2.3866	8.4965	-0.0492	0.1012	0.0028	1.4268	0.3157	1.1072	-3.5557
4	-5.65	0.01	-2.3602	8.4963	0.0387	-0.0292	0.0032	1.4316	0.3116	1.1141	-3.5625
5	-3.95	0.02	-2.1524	8.1332	0.1236	-0.1097	0.0093	1.3825	0.3004	1.0822	-3.7778
6	-2.23	0.01	-1.9401	1.1845	0.0102	-0.0599	0.0043	1.3402	0.2689	1.0513	-4.0416
7	-0.46	0.01	-1.7370	7.3945	0.0017	-0.0142	0.0046	1.3010	0.2935	1.0071	-4.2573
8	1.31	0.01	-1.4426	6.8494	0.0153	0.0205	0.0105	1.2656	0.3093	0.9563	-4.7478
9	3.17	0.01	-1.2037	2.3632	0.0375	0.0185	0.0055	1.2307	0.3288	0.9020	-5.2775
10	4.68	0.02	-0.9494	5.0228	0.1045	-0.0248	0.0060	1.1881	0.3397	0.8464	-6.1332
11	6.71	0.02	-0.6724	5.2675	0.1142	-0.0632	0.0300	1.1159	0.3450	0.7709	-7.8333
12	8.50	0.04	-0.3133	4.1084	0.0066	0.0762	0.0064	1.0527	0.3523	0.7005	-12.6131
13	10.29	0.01	-0.0647	4.1845	-0.0354	0.0766	0.0130	1.0011	0.3625	0.6366	-49.3776
14	12.14	0.01	0.2476	3.6106	0.0217	0.1482	0.0187	0.9465	0.3670	0.5755	14.5687
15	13.97	0.01	0.5558	3.1406	0.0736	0.0416	0.0085	0.8863	0.3695	0.5188	5.6618
16	15.89	-0.06	0.9280	2.6061	-0.0614	0.3223	0.0145	0.8156	0.3719	0.4437	2.7605
17	17.61	-0.02	1.2323	2.2663	-0.2331	0.5417	0.0146	0.7696	0.3766	0.3912	1.8390
18	19.08	-0.02	1.6673	2.0565	-0.2105	0.7719	0.0096	0.7307	0.3804	0.3503	1.2797
19	21.61	-0.02	1.9555	2.1256	-0.1466	0.4423	0.0127	0.6788	0.3756	0.3032	1.0649
20	23.61	-0.01	2.5751	2.3666	-0.1211	0.4612	0.0043	0.6360	0.3608	0.2712	0.5177
21	25.56	-0.01	3.1723	2.6133	0.0266	-0.1710	0.0466	0.6100	0.3658	0.2442	0.8357
22	27.57	0.04	3.6531	2.9834	0.5055	-0.9423	0.0810	0.5804	0.3693	0.2111	0.6167
23	28.44	0.03	3.9045	2.9020	0.3585	-0.9754	0.0447	0.5766	0.3722	0.2064	0.7432
24	28.45	0.01	3.9556	2.8585	0.2756	-0.7456	0.0838	0.5775	0.3715	0.2060	0.7154
25	28.72	0.04	4.0322	2.9368	0.2568	-0.5945	0.0840	0.5807	0.3716	0.2089	0.7283
26	29.01	0.02	4.1543	2.8035	0.3055	-0.4361	0.0619	0.5616	0.3697	0.1919	0.6541
27	29.36	0.01	4.2450	2.9457	0.1267	-0.2264	0.0661	0.5677	0.3729	0.1546	0.8539
28	29.66	0.02	4.4251	2.8804	0.3528	-0.6478	0.0858	0.5726	0.3722	0.2004	0.6503
29	29.95	0.03	4.5750	2.7936	0.4251	-0.7251	0.0716	0.5520	0.3726	0.1794	0.6106
30	30.24	0.05	4.6810	2.7406	0.4451	-1.2309	0.1254	0.5457	0.3747	0.1710	0.5935
31	30.53	0.05	4.6552	2.6728	0.4581	-1.4298	0.1313	0.5554	0.3765	0.1789	0.5653
32	30.60	0.06	4.9026	2.6441	0.4907	-1.2805	0.1319	0.5354	0.3715	0.1575	0.5593
33	31.03	0.05	5.0255	2.8038	0.5554	-0.8611	0.1155	0.5502	0.3887	0.1615	0.5181
34	31.36	0.04	5.1613	2.7401	0.4611	-0.8068	0.1210	0.5354	0.3912	0.1442	0.4951
35	31.64	0.05	5.2615	2.5144	0.4455	-0.6067	0.1213	0.5336	0.3874	0.1432	0.4779
36	31.92	0.04	5.3005	2.4332	0.3777	-0.6245	0.1269	0.5405	0.3905	0.1440	0.4591
37	32.19	0.06	5.4765	2.4827	0.4167	-0.4323	0.1001	0.5016	0.3927	0.1089	0.4533
38	32.47	0.02	5.5560	2.3523	0.1656	-0.1342	0.0889	0.5146	0.3926	0.1220	0.4306
39	32.74	0.04	5.6550	2.2855	0.2828	-0.3345	0.0896	0.4867	0.3933	0.0953	0.3581
40	33.00	0.05	5.7864	2.1565	0.4236	-0.6388	0.1285	0.5001	0.3993	0.1008	0.3755
41	33.27	0.02	5.7445	2.2755	0.0050	0.3563	0.0615	0.4666	0.3965	0.0858	0.3837
42	33.53	0.03	5.9600	2.0271	0.1757	0.1000	0.0783	0.4405	0.3992	0.0912	0.3386
43	33.78	0.03	6.1215	2.1454	0.1078	0.4578	0.0558	0.4837	0.4027	0.0809	0.3505
44	34.04	0.01	6.1725	2.0676	-0.0226	0.4061	0.0491	0.4763	0.4034	0.0729	0.3350
45	34.26	0.05	6.3656	1.7585	-0.0082	0.7026	0.0775	0.4654	0.4083	0.0611	0.2825
46	34.53	0.04	6.4436	1.6187	0.0265	0.4760	0.0897	0.4689	0.4117	0.0572	0.2801

PAGE 1 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	NAACP	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
1	1.10 1.7	0.0	0.10 0.14	C.C	0	-30	0	-30	UNKNOWN		
POINT	ALPHA	BETA	CLN	CLM	CV	CLA	CLL	CA	CAB	CAF	XCP
47	35.80	0.01	6.5223	1.7982	-0.0452	0.3930	0.0935	0.4559	0.4109	0.0540	0.2754
48	35.05	0.01	6.6617	1.7353	-0.0606	0.7897	0.0784	0.4632	0.4183	0.0449	0.2603
49	35.25	0.01	6.8910	1.5364	-0.1015	0.8653	0.1004	0.4591	0.4253	0.0358	0.2230
50	35.54	0.02	6.8362	1.6600	-0.0655	0.6308	0.0900	0.4625	0.4235	0.0350	0.2428
51	35.79	0.01	7.0246	1.4253	-0.0534	0.7121	0.1129	0.4742	0.4280	0.0462	0.2029
52	36.02	0.02	7.1206	1.3370	-0.1157	0.6217	0.1070	0.4593	0.4290	0.0297	0.1875
53	36.26	0.01	7.1885	1.3383	-0.0440	0.6538	0.1297	0.4651	0.4227	0.0424	0.1862
54	36.50	0.03	7.2630	1.2625	-0.1520	0.4888	0.1032	0.4580	0.4220	0.0360	0.1766
55	36.72	0.02	7.4145	1.0586	-0.1738	0.4487	0.1307	0.4416	0.4307	0.0109	0.1482
56	36.97	0.00	7.5621	1.0506	-0.0694	0.6421	0.1032	0.4367	0.4220	0.0147	0.1443
57	37.22	0.02	7.5854	1.1355	-0.1761	0.4561	0.0968	0.4321	0.4208	0.0115	0.1503
58	37.45	0.00	7.6171	0.5474	-0.0452	0.6357	0.1150	0.4418	0.4262	-0.0084	0.1212
59	37.68	0.01	7.8187	0.6420	-0.0102	0.6624	0.1155	0.4683	0.4192	-0.0112	0.1078
60	37.93	0.02	7.9343	0.6127	-0.1154	0.4170	0.1050	0.4607	0.4210	-0.0143	0.1100
61	38.15	-0.02	8.0532	0.7687	-0.1635	0.7660	0.0996	0.4194	0.4223	-0.0115	0.0955
62	38.38	0.02	8.1541	0.5321	-0.1671	0.4851	0.1107	0.4122	0.4220	-0.0104	0.0653
63	38.63	-0.00	8.2456	0.6170	-0.0165	0.7445	0.1057	0.4066	0.4136	-0.0130	0.0748
64	38.86	0.01	8.4184	0.5007	-0.1305	0.4513	0.0854	0.3713	0.4213	-0.0300	0.0673
65	39.09	-0.01	8.3926	0.5617	-0.0873	0.4733	0.0911	0.3868	0.4180	-0.0292	0.0653
66	39.32	0.01	8.4740	0.6043	-0.1513	0.4521	0.0303	0.3800	0.4167	-0.0307	0.0719
67	39.55	0.01	8.5005	0.5122	-0.1813	0.3657	0.0600	0.3844	0.4057	-0.0453	0.0603
68	39.77	-0.04	8.7072	0.3555	-0.2554	0.4422	0.0672	0.3804	0.4006	-0.0482	0.0408
69	40.03	-0.01	8.8371	0.2140	-0.0304	0.4661	0.0870	0.3836	0.4142	-0.0506	0.0243
70	40.23	0.01	8.8605	0.2224	-0.2155	0.1413	0.0864	0.3438	0.4093	-0.0655	0.0250
71	40.45	-0.01	8.9340	0.1954	-0.0703	0.3516	0.0625	0.3461	0.4086	-0.0625	0.0219
72	40.66	-0.02	9.0273	0.0444	-0.0617	0.5268	0.0767	0.3630	0.4053	-0.0463	0.0050
73	40.86	-0.00	9.1845	-0.0370	-0.0175	0.6857	0.0772	0.3215	0.3964	-0.0749	-0.0040
74	41.00	0.01	9.3050	-0.1311	-0.1061	0.4527	0.0713	0.3121	0.3930	-0.0815	-0.0141
75	41.25	-0.03	9.3348	-0.1100	-0.1364	0.3551	0.0621	0.3069	0.3972	-0.0653	-0.0118
76	41.49	-0.01	9.4270	-0.3000	-0.0247	0.5752	0.0600	0.3107	0.3864	-0.0697	-0.0319
77	41.72	-0.02	9.5456	-0.2455	-0.1855	0.5361	0.0661	0.2930	0.3889	-0.0955	-0.0260
78	41.91	-0.03	9.5457	-0.3641	-0.2761	1.0273	0.0605	0.2907	0.3870	-0.0911	-0.0381
79	42.12	-0.01	9.6437	-0.6514	-0.1558	1.3863	0.0590	0.3268	0.3934	-0.0866	-0.0675
80	42.31	-0.04	9.7403	-0.4710	-0.3153	1.0777	0.0500	0.2891	0.3868	-0.0977	-0.0483
81	42.53	-0.01	9.7575	-0.5035	-0.1157	0.8095	0.0565	0.2764	0.3794	-0.1050	-0.0516
82	42.73	-0.01	9.9450	-0.7242	-0.2150	1.3306	0.0442	0.2700	0.3805	-0.1039	-0.0728
83	42.90	-0.01	9.9581	-0.7565	-0.2411	1.5158	0.0383	0.2711	0.3913	-0.1202	-0.0757
84	43.09	-0.01	10.0007	-1.0388	-0.1923	0.8724	0.0411	0.2509	0.3798	-0.1205	-0.0835
85	43.28	-0.00	10.1002	-0.7455	-0.1677	1.3695	0.0391	0.2630	0.3736	-0.1056	-0.0742
86	43.46	-0.01	10.2155	-1.0261	-0.1572	1.0023	0.0410	0.2457	0.3655	-0.1218	-0.0808
87	43.63	-0.01	10.2242	-0.6681	-0.0691	0.1302	0.0498	0.2320	0.3592	-0.1272	-0.0853
88	43.82	0.00	10.3672	-0.0210	-0.0603	0.7078	0.0422	0.2299	0.3735	-0.1430	-0.0752
89	44.00	-0.01	10.3648	-0.8567	-0.2228	0.5396	0.0418	0.2093	0.3585	-0.1470	-0.0827
90	44.19	-0.02	10.4105	-0.5244	-0.2374	0.8762	0.0424	0.2094	0.3570	-0.1484	-0.0883
91	44.35	-0.03	10.5155	-0.7617	-0.3146	0.6981	0.0435	0.2035	0.3685	-0.1450	-0.0800
92	44.55	-0.01	10.6450	-1.0100	-0.2780	1.4355	0.0193	0.2012	0.3505	-0.1493	-0.0548

PAGE 1 OF 3
SHEET 3 OF 3

MANTIN MISSILE TAILS EFFECTS DATA

PCINT	TEST PART MACH RATIO-6			PHI CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION
	7	109	1.10	1.7	C.C. 8100F14	C.C.	U	-30	0	-30	UNKNOWN	
	ALPHA	BETA	CN	CLM	CLY	CLX	CLL	CA	CAB	CAF	XCP	
93	44.73	-0.02	10.7054	-0.8924	-0.1555	0.9150	0.0430	0.1072	0.3491	-0.1595	-0.0833	
94	44.91	-0.02	10.7155	-0.8911	-0.0733	0.2054	0.0509	0.1096	0.3400	-0.1512	-0.0775	
95	45.10	-0.01	10.6670	-0.8970	0.0646	-0.2277	0.0570	0.1092	0.3373	-0.1461	-0.0631	
96	45.30	-0.02	10.6722	-0.8940	-0.0019	0.5002	0.0397	0.1091	0.3390	-0.1499	-0.0000	
97	45.47	-0.02	10.5232	-0.8927	-0.1016	0.3031	0.0457	0.1728	0.3364	-0.1041	-0.0914	
98	45.64	-0.01	10.9052	-0.8742	0.0019	0.4015	0.0457	0.1703	0.3334	-0.1031	-0.0797	
99	45.84	-0.04	11.1115	-1.0777	-0.3317	0.6115	0.0343	0.1543	0.3359	-0.1016	-0.0570	
100	46.03	-0.03	11.2320	-1.0004	-0.1500	0.7011	0.0239	0.1419	0.3240	-0.1072	-0.0691	
101	46.19	-0.04	11.2287	-1.1023	-0.3473	1.4257	0.0107	0.1012	0.3305	-0.1753	-0.1035	
102	46.30	-0.03	11.3087	-1.1434	-0.1321	0.6523	0.0297	0.1491	0.3319	-0.1020	-0.1011	
103	46.54	-0.05	11.3005	-1.0037	-0.2563	0.8367	0.0351	0.1308	0.3330	-0.1542	-0.0953	
104	46.72	-0.04	11.4769	-1.0972	-0.1009	0.8122	0.0109	0.1500	0.3400	-0.1020	-0.0957	
105	46.89	-0.05	11.4830	-0.9540	-0.3036	0.9215	0.0245	0.1518	0.3384	-0.1066	-0.0666	
106	47.04	-0.04	11.5215	-1.1014	-0.1457	0.6475	0.0301	0.1354	0.3310	-0.2044	-0.0956	
107	47.23	-0.03	11.5910	-1.0775	-0.1015	1.2526	0.0317	0.1504	0.3426	-0.1522	-0.0930	
108	47.41	-0.04	11.6075	-0.9500	-0.2493	1.3201	-0.0090	0.1720	0.3513	-0.1785	-0.0824	
109	47.50	-0.05	11.7450	-1.1325	-0.3202	1.3527	-0.0141	0.1514	0.3519	-0.2005	-0.0564	
110	47.74	-0.05	11.7306	-0.9558	-0.3010	1.2092	-0.0100	0.1033	0.3561	-0.1520	-0.0014	
111	47.92	-0.04	11.7571	-0.8251	-0.2041	1.0020	-0.0103	0.1074	0.3558	-0.1884	-0.0702	
112	48.11	-0.04	11.8941	-1.0004	-0.2559	0.8519	-0.0302	0.1004	0.3603	-0.1439	-0.0048	
113	48.20	-0.02	12.0055	-1.2022	-0.0290	0.6542	0.0105	0.1495	0.3603	-0.2100	-0.1055	
114	48.44	-0.03	11.9344	-1.0045	-0.0937	0.7755	-0.0000	0.1070	0.3749	-0.2059	-0.0842	
115	48.62	-0.03	12.0952	-1.3043	-0.0062	0.4104	0.0120	0.1712	0.3623	-0.2111	-0.1120	
116	48.80	-0.01	12.0907	-1.8300	0.1041	-0.0007	0.0402	0.1012	0.3450	-0.2300	-0.1401	
117	48.98	-0.02	12.4101	-1.5533	0.0008	-0.1113	0.0514	0.1043	0.4168	-0.2505	-0.1573	
118	49.15	-0.02	12.4000	-1.0552	0.0053	-0.1702	0.0524	0.1040	0.4176	-0.2336	-0.1455	
119	49.30	-0.00	12.5517	-1.4750	0.1709	-0.1791	0.0634	0.1498	0.4138	-0.2140	-0.1195	
120	49.49	0.01	12.3521	-1.0497	0.2414	0.1405	0.0734	0.2374	0.4096	-0.1722	-0.0847	
121	49.64	0.01	12.2872	-0.0527	0.1504	0.3540	0.0725	0.2540	0.4104	-0.1636	-0.0531	
122	49.82	0.01	12.3055	-0.8505	0.1504	0.4031	0.0720	0.2410	0.4204	-0.1744	-0.0725	
123	50.00	-0.00	12.3500	-0.8500	0.1140	0.5071	0.0605	0.2400	0.4201	-0.1783	-0.0531	
124	50.20	0.01	12.5205	-0.9000	0.1715	0.5010	0.0725	0.2443	0.4278	-0.1835	-0.0727	
125	49.89	0.00	12.4342	-1.6325	0.1501	-0.1893	0.0520	0.1700	0.4163	-0.2455	-0.1313	
126	48.49	-0.03	11.8275	-1.1700	-0.3000	1.2500	-0.0190	0.1547	0.3774	-0.2427	-0.0950	

PAGE 2 OF 3
SHEET 1 OF 3

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME			PHI	CNFI	C	DEL1	DEL2	DEL3	DEL4	TRANSITION		
1 109 1.10 1.7			C.C	0.00F14	C.C	0	-30	0	-30	UNKNOWN		
PLINT	ALPHA	BETA	CNFI	CHI	CHI	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.76	0.01	-0.0212	0.0010	0.0211	-0.0472	-0.9953	-1.1648	0.0272	-0.4147	-0.0230	0.3500
2	-5.77	0.01	-0.0266	0.0011	0.0191	-0.0410	-0.7127	-1.1865	0.0269	-0.4156	-0.0226	0.3497
3	-5.76	0.01	-0.0234	0.0011	0.0155	-0.0470	-0.8504	-1.1925	0.0276	-0.4163	-0.0231	0.3491
4	-5.80	0.01	-0.0235	0.0012	0.0204	-0.0511	-0.8681	-1.1560	0.0291	-0.4086	-0.0252	0.3535
5	-3.55	0.02	-0.0244	0.0012	0.0175	-0.0492	-0.7336	-1.1097	0.0372	-0.3965	-0.0335	0.3577
6	-2.23	0.01	-0.0220	0.0016	0.0181	-0.0384	-0.6227	-1.0382	0.0421	-0.3855	-0.0405	0.3713
7	-0.46	0.01	-0.0155	0.0002	0.0172	-0.0103	-0.8821	-0.9467	0.0405	-0.3573	-0.0427	0.3766
8	1.31	0.01	-0.0215	0.0006	0.0141	-0.0372	-0.6578	-0.8626	0.0388	-0.3286	-0.0450	0.3809
9	3.17	0.01	-0.0153	0.0006	0.0145	-0.0414	-0.7720	-0.7829	0.0382	-0.3048	-0.0486	0.3893
10	4.88	0.02	-0.0225	0.0011	0.0144	-0.0380	-0.5053	-0.6052	0.0364	-0.2767	-0.0531	0.4067
11	6.71	0.02	-0.0455	0.0011	0.0205	-0.0242	-0.4505	-0.5871	0.0332	-0.2526	-0.0565	0.4302
12	8.50	0.01	-0.0518	0.0011	0.0175	-0.0212	-0.3456	-0.4417	0.0304	-0.2273	-0.0618	0.4623
13	10.29	0.00	-0.0424	0.0024	0.0225	-0.0559	-0.5245	-0.4096	0.0297	-0.1588	-0.0725	0.4854
14	12.14	0.01	-0.0570	0.0026	0.0240	-0.0456	-0.4211	-0.3170	0.0272	-0.1691	-0.0858	0.5334
15	13.97	0.01	-0.0753	0.0020	0.0222	-0.0286	-0.2946	-0.2168	0.0240	-0.1420	-0.1057	0.6490
16	15.89	0.00	-0.0911	0.0030	0.0202	-0.0384	-0.2217	-0.1347	0.0186	-0.1162	-0.1361	0.6181
17	17.01	0.02	-0.1035	0.0035	0.0155	-0.0241	-0.1877	-0.0861	0.0144	-0.0807	-0.2254	1.2205
18	19.08	0.02	-0.1362	0.0052	0.0121	-0.0362	-0.0808	-0.0285	0.0144	-0.0610	-0.5052	2.1403
19	21.01	0.02	-0.1647	0.0025	0.0057	-0.0277	-0.0926	-0.0147	0.0164	-0.0351	1.1155	-2.3677
20	23.01	0.01	-0.1156	0.0047	0.0020	-0.0407	-0.0173	0.0037	0.0200	-0.0264	0.5276	-0.6566
21	25.56	0.01	-0.0211	0.0008	0.0354	-0.0375	-1.8673	0.0662	0.0234	-0.0152	0.3534	-0.2296
22	27.57	0.04	0.0173	0.0008	0.0532	0.0039	0.6327	0.0866	0.0274	-0.0051	0.3164	-0.6585
23	28.44	0.03	0.0522	0.0025	0.0785	0.0314	0.8514	0.0838	0.0290	-0.0042	0.3460	-0.0501
24	28.45	0.01	0.1371	0.0025	0.0910	0.0162	0.6637	0.0877	0.0283	-0.0019	0.3226	-0.0217
25	26.72	0.01	0.0843	0.0008	0.0757	0.0095	0.9336	0.0683	0.0305	-0.0079	0.4465	-0.1157
26	24.01	0.02	0.0145	0.0026	0.0455	0.1193	3.4138	0.0616	0.0321	-0.0053	0.5210	-0.1510
27	29.36	0.01	0.0333	0.0024	0.0584	0.0721	1.7537	0.0604	0.0323	-0.0075	0.5347	-0.1308
28	29.60	0.02	0.0528	0.0007	0.0772	0.0675	0.8319	0.0706	0.0319	-0.0046	0.4518	-0.0652
29	29.95	0.03	0.1170	0.0003	0.0895	-0.0026	0.7650	0.0873	0.0303	-0.0022	0.3470	0.0252
30	30.24	0.03	0.2151	0.0021	0.1222	0.0096	0.5577	0.1107	0.0273	0.0100	0.2466	0.0503
31	30.53	0.03	0.2505	0.0026	0.1435	-0.0089	0.4933	0.1267	0.0260	0.0170	0.2020	0.1321
32	30.80	0.06	0.2075	0.0022	0.1165	-0.0106	0.5700	0.1259	0.0277	0.0136	0.2200	0.1096
33	31.08	0.05	0.1710	0.0021	0.1067	-0.0123	0.6240	0.1205	0.0290	0.0125	0.2406	0.1037
34	31.36	0.04	0.1707	0.0013	0.1076	-0.0076	0.6315	0.1294	0.0284	0.0167	0.2194	0.1291
35	31.64	0.05	0.1260	0.0035	0.0562	-0.0278	0.7635	0.1244	0.0267	0.0143	0.2307	0.1150
36	31.92	0.04	0.1563	0.0026	0.1053	-0.0132	0.5506	0.1438	0.0266	0.0203	0.1850	0.1412
37	32.19	0.06	0.0470	0.0005	0.0675	-0.0057	1.4447	0.1293	0.0294	0.0158	0.2273	0.1222
38	32.47	0.02	0.0802	0.0047	0.0753	-0.0545	0.9200	0.1433	0.0262	0.0214	0.1568	0.1493
39	32.76	0.04	0.0655	0.0027	0.0726	-0.0410	1.1017	0.1612	0.0267	0.0293	0.1656	0.1818
40	33.00	0.05	0.1405	0.0045	0.0575	-0.0348	0.6948	0.1586	0.0271	0.0276	0.1708	0.1740
41	33.27	0.02	-0.0422	0.0018	0.0342	-0.0426	-0.8104	0.1443	0.0251	0.0231	0.2016	0.1601
42	33.53	0.03	-0.0090	0.0014	0.0471	0.1055	-0.2333	0.1620	0.0240	0.0305	0.1728	0.1883
43	33.78	0.03	-0.0605	0.0005	0.0337	-0.0123	-0.8425	0.1492	0.0300	0.0227	0.2066	0.1563
44	34.04	0.01	0.0363	0.0004	0.0670	-0.0601	1.8457	0.1503	0.0298	0.0261	0.1982	0.1737
45	34.26	0.05	0.0088	0.0008	0.0526	-0.0909	5.9773	0.1680	0.0293	0.0326	0.1744	0.1940
46	34.53	0.01	0.0242	0.0010	0.0601	-0.0413	2.4035	0.1654	0.0303	0.0294	0.1832	0.1778

PAGE 2 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO-6				PHI	CNF	L	CEL1	CEL2	CEL3	CEL4	TRANSITION	
1 1.0 1.1 1.7				0.0	0.1	0.2	0	-30	0	-30	UNKNOWN	
FLINT	ALPHA	BETA	CNF1	CH1	Col	XCPF1	YCPF1	CNF2	CH2	Col	XCPF2	YCPF2
47	34.63	0.01	0.0072	0.0003	0.0555	0.0047	7.7639	0.1677	0.0331	0.0316	0.1795	0.1884
48	35.05	0.01	0.0045	0.0005	0.0425	0.0045	-2.9580	0.1751	0.0334	0.0333	0.1736	0.1502
49	35.29	0.01	0.00125	0.0002	0.0560	0.0155	4.3411	0.1671	0.0326	0.0292	0.1951	0.1747
50	35.54	0.02	0.0012	0.0006	0.0485	0.0045	-0.4167	0.1801	0.0336	0.0347	0.1710	0.1527
51	35.79	0.01	0.00257	0.0005	0.0600	0.0305	2.0232	0.1652	0.0306	0.0351	0.1652	0.1895
52	36.02	0.02	0.0126	0.0008	0.0526	0.0067	4.3033	0.1772	0.0312	0.0315	0.1760	0.1778
53	36.26	0.01	0.00573	0.0015	0.0668	0.0202	1.2307	0.1671	0.0305	0.0301	0.1649	0.1601
54	36.50	0.03	0.0060	0.0011	0.0542	0.0301	1.6175	0.1722	0.0306	0.0310	0.1777	0.1860
55	36.72	0.02	0.00518	0.0012	0.0667	0.0232	1.2876	0.1625	0.0293	0.0346	0.1605	0.1907
56	36.97	0.00	0.0097	0.0017	0.0515	0.1752	5.3093	0.2043	0.0271	0.0434	0.1526	0.2124
57	37.22	0.02	0.0000	0.0012	0.0451	0.1500	-3.6375	0.2019	0.0266	0.0432	0.1327	0.2140
58	37.45	0.00	0.00163	0.0020	0.0543	0.1227	3.3313	0.2056	0.0263	0.0465	0.1279	0.2262
59	37.68	0.01	0.0036	0.0031	0.0600	0.0917	1.7983	0.2031	0.0266	0.0462	0.1288	0.2220
60	37.93	0.02	0.0023	0.0025	0.0541	0.0603	2.0063	0.2146	0.0261	0.0472	0.1216	0.2195
61	38.15	0.02	0.00174	0.0043	0.0433	0.2471	-2.4685	0.2119	0.0267	0.0470	0.1260	0.2218
62	38.38	0.02	0.00246	0.0052	0.0563	0.2096	2.2702	0.2093	0.0276	0.0494	0.1318	0.2121
63	38.63	0.00	0.0015	0.0046	0.0485	0.2407	-25.7366	0.2255	0.0263	0.0492	0.1164	0.2178
64	38.86	0.01	0.00102	0.0010	0.0440	0.1704	4.3137	0.2470	0.0240	0.0574	0.0993	0.2318
65	39.09	0.01	0.00104	0.0020	0.0455	0.1923	-4.3750	0.2435	0.0254	0.0566	0.1033	0.2310
66	39.32	0.01	0.0025	0.0017	0.0374	0.0667	1.4667	0.2546	0.0247	0.0610	0.0965	0.2354
67	39.53	0.01	0.0030	0.0036	0.0435	0.0307	-3.3401	0.2496	0.0260	0.0566	0.1042	0.2268
68	39.77	0.04	0.0057	0.0027	0.0441	0.4736	1.7366	0.2703	0.0242	0.0607	0.0876	0.2414
69	40.03	0.01	0.0015	0.0023	0.0444	0.2000	-3.6605	0.2678	0.0260	0.0618	0.0964	0.2291
70	40.23	0.01	0.00210	0.0024	0.0404	0.0303	0.0067	0.2684	0.0241	0.0703	0.0834	0.2433
71	40.45	0.01	0.00165	0.0031	0.0411	0.1634	-2.4319	0.2914	0.0243	0.0705	0.0834	0.2415
72	40.66	0.02	0.0047	0.0032	0.0353	0.0422	-1.0173	0.2926	0.0246	0.0702	0.0847	0.2396
73	40.86	0.00	0.00358	0.0036	0.0346	0.1005	-0.9721	0.3003	0.0241	0.0723	0.0802	0.2408
74	41.06	0.01	0.00534	0.0038	0.0271	0.0712	-0.5075	0.2969	0.0254	0.0702	0.0850	0.2349
75	41.29	0.03	0.00361	0.0024	0.0361	0.00757	-1.1993	0.3270	0.0226	0.0824	0.0657	0.2520
76	41.44	0.01	0.00556	0.0045	0.0250	0.0805	-0.4496	0.3175	0.0244	0.0773	0.0767	0.2432
77	41.72	0.02	0.0004	0.0055	0.0167	0.00734	-0.2326	0.3026	0.0261	0.0701	0.0862	0.2317
78	41.91	0.03	0.00878	0.0071	0.0123	0.0605	-0.1401	0.3136	0.0260	0.0750	0.0828	0.2350
79	42.12	0.01	0.0054	0.0148	0.0116	0.0590	0.0793	0.3074	0.0277	0.0666	0.0901	0.2232
80	42.31	0.04	0.0055	0.0074	0.0058	0.0071	-0.0501	0.3252	0.0260	0.0770	0.0799	0.2368
81	42.53	0.01	0.0033	0.0085	0.0051	0.0023	-0.0594	0.3316	0.0255	0.0790	0.0765	0.2362
82	42.73	0.01	0.00258	0.0055	0.0104	0.0755	0.0627	0.3416	0.0258	0.0819	0.0755	0.2398
83	42.90	0.01	0.00506	0.0052	0.0145	0.00611	0.0963	0.3313	0.0272	0.0781	0.0621	0.2357
84	43.09	0.01	0.00770	0.0052	0.0111	0.00675	-0.1442	0.3608	0.0247	0.0864	0.0684	0.2355
85	43.28	0.00	0.00523	0.0106	0.0213	0.00705	0.1399	0.3466	0.0270	0.0799	0.0779	0.2305
86	43.46	0.01	0.00410	0.0064	0.0065	0.00525	0.0702	0.3669	0.0260	0.0865	0.0704	0.2356
87	43.63	0.01	0.00321	0.0027	0.0242	0.00641	-0.7539	0.4002	0.0228	0.0560	0.0570	0.2449
88	43.82	0.00	0.00552	0.0032	0.0140	0.00580	-0.2530	0.3699	0.0246	0.0523	0.0631	0.2367
89	44.00	0.01	0.00205	0.0056	0.0116	0.00465	0.0963	0.3784	0.0260	0.0865	0.0687	0.2288
90	44.19	0.02	0.00270	0.0050	0.0145	0.00594	0.1173	0.3795	0.0263	0.0871	0.0693	0.2295
91	44.35	0.03	0.0063	0.0073	0.0045	0.00405	0.1902	0.3752	0.0273	0.0826	0.0731	0.2223
92	44.55	0.01	0.0054	0.0058	0.0411	0.00297	0.2103	0.3818	0.0281	0.0864	0.0736	0.2263

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH XXIC-E			PHI	CONF	L	CELT	CELT2	CELT3	CELT4	TRANSITION		
7			104	1.10	1.7	0.0	0	-30	0	-30	UNKNOWN	
PLINT	ALPHA	BETA	CONF1	CHI1	CHI2	ALPF1	YLPF1	CONF2	CHI2	CHI2	ALPF2	YLPF2
93	44.73	-0.02	-0.0937	0.0026	-0.0026	-0.0277	0.0213	0.4038	0.0262	0.0537	0.0649	0.2320
94	44.91	-0.02	-0.0923	0.0015	0.0015	-0.0322	-0.3191	0.4154	0.0251	0.0576	0.0604	0.2350
95	45.10	-0.01	-0.0222	0.0015	0.0020	-0.0455	-0.9009	0.4314	0.0247	0.1014	0.0572	0.2348
96	45.30	-0.02	-0.0340	0.0017	0.0024	-0.0310	-0.0438	0.4178	0.0261	0.0553	0.0625	0.2281
97	45.47	-0.02	-0.1120	0.0020	-0.0115	-0.0617	0.1002	0.4126	0.0265	0.0545	0.0652	0.2250
98	45.64	-0.01	-0.0931	0.0022	-0.0074	-0.0604	0.0778	0.4151	0.0271	0.0547	0.0653	0.2281
99	45.84	-0.04	-0.0438	0.0020	0.0066	-0.0457	-0.1507	0.4302	0.0268	0.0554	0.0623	0.2311
100	46.03	-0.03	-0.1233	-0.0007	-0.0206	0.0057	0.1671	0.4175	0.0280	0.0540	0.0671	0.2251
101	46.15	-0.04	-0.1621	-0.0022	-0.0330	0.0173	0.2036	0.4202	0.0284	0.0558	0.0676	0.2280
102	46.36	-0.03	-0.0965	-0.0001	-0.0147	0.0010	0.1523	0.4329	0.0282	0.0543	0.0651	0.2264
103	46.54	-0.05	-0.1268	-0.0012	-0.0157	0.0142	0.1554	0.4304	0.0281	0.0576	0.0653	0.2268
104	46.72	-0.04	-0.1100	-0.0038	-0.0134	0.0327	0.1218	0.4278	0.0288	0.0564	0.0673	0.2253
105	46.89	-0.05	-0.1450	-0.0047	-0.0251	0.0315	0.1685	0.4192	0.0273	0.0533	0.0655	0.2226
106	47.04	-0.04	-0.1234	-0.0034	-0.0187	0.0275	0.1515	0.4356	0.0243	0.0582	0.0673	0.2254
107	47.23	-0.03	-0.1735	-0.0147	-0.0283	0.0545	0.1627	0.4409	0.0275	0.1020	0.0624	0.2313
108	47.41	-0.04	-0.1757	-0.0134	-0.0243	0.0773	0.1630	0.4331	0.0251	0.0570	0.0672	0.2240
109	47.58	-0.05	-0.1727	-0.0204	-0.0230	0.1161	0.1332	0.4438	0.0275	0.1008	0.0625	0.2271
110	47.74	-0.05	-0.1342	-0.0265	-0.0054	0.1974	0.0700	0.4657	0.0254	0.1100	0.0545	0.2362
111	47.92	-0.04	-0.1175	-0.0233	-0.0074	0.1503	0.0630	0.4578	0.0275	0.1045	0.0601	0.2283
112	48.11	-0.04	-0.0953	-0.0232	-0.0001	0.2434	0.0010	0.4692	0.0269	0.1009	0.0573	0.2321
113	48.28	-0.02	-0.0354	-0.0244	0.0175	0.8192	-0.4543	0.5127	0.0231	0.1273	0.0450	0.2483
114	48.44	-0.03	-0.0558	-0.0241	0.0000	0.4318	-0.1577	0.4900	0.0261	0.1152	0.0533	0.2351
115	48.62	-0.03	-0.0023	-0.0248	0.0277	10.7212	-12.0435	0.5232	0.0242	0.1263	0.0462	0.2414
116	48.80	-0.01	0.0001	-0.0251	0.0480	-0.4170	0.7987	0.5724	0.0217	0.1434	0.0379	0.2503
117	48.98	-0.02	0.1035	-0.0229	0.0604	-0.2212	0.5836	0.5933	0.0208	0.1495	0.0351	0.2520
118	49.15	-0.02	0.1152	-0.0150	0.0612	-0.1354	0.5313	0.5695	0.0269	0.1380	0.0472	0.2423
119	49.30	-0.00	0.1073	-0.0041	0.0545	-0.0382	0.5116	0.5058	0.0352	0.1106	0.0648	0.2187
120	49.49	0.01	0.0505	0.0000	0.0320	0.1364	0.6455	0.4144	0.0386	0.0781	0.0936	0.1885
121	49.66	0.01	0.0284	0.0055	0.0227	0.3345	0.7993	0.3970	0.0378	0.0711	0.0952	0.1751
122	49.82	0.01	0.0370	0.0057	0.0212	0.2021	0.7759	0.4019	0.0385	0.0730	0.0958	0.1816
123	50.00	-0.00	-0.0000	-0.0000	0.0181	-11.2485	-20.1250	0.3819	0.0370	0.0652	0.0969	0.1812
124	50.20	0.01	0.0102	0.0106	0.0185	1.0391	1.8137	0.3801	0.0377	0.0693	0.0971	0.1786
125	49.85	0.00	0.1124	-0.0121	-0.0607	-0.1078	0.5400	0.5855	0.0280	0.1372	0.0455	0.2426
126	49.49	-0.03	-0.1208	-0.0073	-0.0051	0.2200	0.0422	0.4878	0.0242	0.1153	0.0496	0.2366

PAGE 3 OF 3
SHEET 1 OF 3

MAKIN MISSILE TAILS EFFECTS DATA

TEST PART PATCH RXIC-E				PHI CONF		DEL1 DEL2		DEL3 DEL4		TRANSITION		
7 109 1.10 1.7				0.0 8100F14 C.C		0 -30		0 -30		UNKNOWN		
PCINT	ALPHA	BETA	CNF3	CH3	CH3	XCPF3	YCPF3	CNF4	CH4	CH4	XCPF4	YCPF4
1	-5.76	0.01	0.0540	5.5555	-0.0000	5.5555	0.0111	-1.3458	0.0239	-0.3721	-0.0178	0.2775
2	-5.77	0.01	0.0540	5.5555	-0.0007	5.5555	-0.0130	-1.3391	0.0230	-0.3722	-0.0187	0.2775
3	-5.76	0.01	0.0543	5.5555	0.0000	5.5555	0.0142	-1.3467	0.0247	-0.3733	-0.0183	0.2772
4	-5.80	0.01	0.0540	5.5555	-0.0003	5.5555	-0.0056	-1.3275	0.0265	-0.3695	-0.0203	0.2783
5	-3.95	0.02	0.0445	5.5555	-0.0047	5.5555	-0.1047	-1.2741	0.0335	-0.3615	-0.0263	0.2837
6	-2.23	0.01	0.0454	5.5555	-0.0016	5.5555	-0.0324	-1.2096	0.0378	-0.3480	-0.0312	0.2877
7	-0.46	0.01	0.0506	5.5555	-0.0024	5.5555	-0.0474	-1.1288	0.0389	-0.3251	-0.0345	0.2881
8	1.31	0.01	0.0484	5.5555	-0.0048	5.5555	-0.0992	-1.0533	0.0367	-0.2998	-0.0374	0.2901
9	3.17	0.01	0.0554	5.5555	-0.0043	5.5555	-0.0776	-0.9551	0.0371	-0.2761	-0.0388	0.2851
10	4.88	0.02	0.0551	5.5555	-0.0072	5.5555	-0.1218	-0.8484	0.0355	-0.2508	-0.0418	0.2956
11	6.71	0.02	0.0632	5.5555	-0.0077	5.5555	-0.1207	-0.7469	0.0322	-0.2262	-0.0431	0.3025
12	8.50	0.01	0.0642	5.5555	-0.0106	5.5555	-0.1721	-0.6605	0.0294	-0.2030	-0.0453	0.3073
13	10.29	0.00	0.0683	5.5555	-0.0112	5.5555	-0.1689	-0.5720	0.0286	-0.1748	-0.0500	0.3052
14	12.14	0.01	0.0617	5.5555	-0.0134	5.5555	-0.2172	-0.4595	0.0264	-0.1446	-0.0574	0.3147
15	13.97	0.01	0.0715	5.5555	-0.0106	5.5555	-0.1523	-0.3674	0.0224	-0.1062	-0.0610	0.2545
16	15.89	0.00	0.0640	5.5555	-0.0141	5.5555	-0.2203	-0.2735	0.0173	-0.0735	-0.0632	0.2681
17	17.81	0.02	0.0668	5.5555	-0.0146	5.5555	-0.2122	-0.1558	0.0131	-0.0412	-0.0665	0.2104
18	19.68	0.02	0.0556	5.5555	-0.0160	5.5555	-0.3121	-0.1451	0.0118	-0.0165	-0.0613	0.1137
19	21.61	0.02	0.0654	5.5555	-0.0167	5.5555	-0.2554	-0.1401	0.0156	-0.0075	-0.1113	0.0535
20	23.61	0.01	0.0557	5.5555	-0.0155	5.5555	-0.3266	-0.1097	0.0203	-0.0007	-0.1850	0.0064
21	25.56	0.01	0.0555	5.5555	-0.0154	5.5555	-0.2588	-0.0939	0.0236	-0.0065	-0.2513	0.0062
22	27.57	0.04	0.0762	5.5555	-0.0081	5.5555	-0.1055	-0.1055	0.0227	-0.0030	-0.2720	0.0284
23	28.44	0.03	0.0711	5.5555	-0.0055	5.5555	-0.1592	-0.0966	0.0286	-0.0061	-0.2581	0.0631
24	28.45	0.01	0.0711	5.5555	-0.0055	5.5555	-0.1392	-0.1032	0.0285	-0.0032	-0.2600	0.0310
25	28.72	0.01	0.0683	5.5555	-0.0085	5.5555	-0.1342	-0.0978	0.0304	-0.0054	-0.3108	0.0552
26	29.01	0.02	0.0656	5.5555	-0.0086	5.5555	-0.1232	-0.0836	0.0307	-0.0109	-0.3672	0.1304
27	29.36	0.01	0.0555	5.5555	-0.0113	5.5555	-0.1895	-0.0828	0.0294	-0.0106	-0.3556	0.1280
28	29.68	0.02	0.0555	5.5555	-0.0118	5.5555	-0.1963	-0.0835	0.0304	-0.0108	-0.3640	0.1293
29	29.95	0.03	0.0710	5.5555	-0.0067	5.5555	-0.0944	-0.0648	0.0299	-0.0165	-0.4614	0.2608
30	30.24	0.03	0.0746	5.5555	-0.0074	5.5555	-0.0942	-0.0733	0.0307	-0.0146	-0.4188	0.1992
31	30.53	0.05	0.0770	5.5555	-0.0072	5.5555	-0.0935	-0.0670	0.0310	-0.0166	-0.4626	0.2478
32	30.80	0.06	0.0781	5.5555	-0.0057	5.5555	-0.0730	-0.0422	0.0313	-0.0252	-0.7416	0.5672
33	31.06	0.05	0.0615	5.5555	-0.0036	5.5555	-0.0442	-0.0273	0.0306	-0.0315	-1.1207	1.1538
34	31.36	0.04	0.0734	5.5555	-0.0070	5.5555	-0.0954	-0.0191	0.0302	-0.0340	-1.5805	1.7801
35	31.64	0.05	0.0655	5.5555	-0.0072	5.5555	-0.1116	-0.0075	0.0279	-0.0436	3.7195	5.8133
36	31.92	0.04	0.0682	5.5555	-0.0052	5.5555	-0.1337	-0.0118	0.0274	-0.0463	2.3217	3.9237
37	32.19	0.06	0.0711	5.5555	-0.0077	5.5555	-0.1083	-0.0367	0.0256	-0.0345	0.6575	1.5850
38	32.47	0.02	0.0653	5.5555	-0.0055	5.5555	-0.1516	-0.0431	0.0254	-0.0569	0.6008	1.3202
39	32.74	0.04	0.0757	5.5555	-0.0068	5.5555	-0.0898	-0.0511	0.0257	-0.0599	0.5029	1.1722
40	33.00	0.05	0.0710	5.5555	-0.0077	5.5555	-0.1005	-0.0625	0.0240	-0.0657	0.3815	1.0445
41	33.27	0.02	0.0685	5.5555	-0.0106	5.5555	-0.1624	-0.0661	0.0245	-0.0666	0.3767	1.0076
42	33.53	0.03	0.0664	5.5555	-0.0103	5.5555	-0.1551	-0.0796	0.0242	-0.0768	0.3040	0.8894
43	33.78	0.03	0.0655	5.5555	-0.0100	5.5555	-0.1431	-0.0829	0.0233	-0.0727	0.2810	0.8770
44	34.04	0.01	0.0555	5.5555	-0.0140	5.5555	-0.2353	-0.0916	0.0222	-0.0775	0.2423	0.8461
45	34.26	0.05	0.0555	5.5555	-0.0145	5.5555	-0.2437	-0.1040	0.0214	-0.0811	0.2057	0.7798
46	34.53	0.01	0.0666	5.5555	-0.0110	5.5555	-0.1599	-0.1109	0.0195	-0.0670	0.1702	0.7442

PAGE 3 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION	
7			LOS 1.0 1.7		0.0 B100F14		C.6	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CONF	LM3	LM3	ALPF3	YCPF3	CAF4	CM4	CB4	XCPF4	YCPF4
47	34.80	0.01	0.0051	5.5555	-0.0106	5.5555	-0.1059	0.1196	0.0196	0.0876	0.1639	0.7324
48	35.65	0.01	0.0051	5.5555	-0.0131	5.5555	-0.2474	0.1302	0.0192	0.0911	0.1474	0.6597
49	35.29	0.01	0.0051	5.5555	-0.0113	5.5555	-0.1736	0.1555	0.0169	0.1016	0.1087	0.6534
50	35.54	0.02	0.0054	5.5555	-0.0144	5.5555	-0.2633	0.1350	0.0187	0.0928	0.1377	0.6834
51	35.79	0.01	0.0046	5.5555	-0.0173	5.5555	-0.3712	0.1413	0.0184	0.0956	0.1302	0.6766
52	36.02	0.02	0.0026	5.5555	-0.0110	5.5555	-0.1757	0.1549	0.0172	0.1005	0.1110	0.6486
53	36.26	0.03	0.0050	5.5555	-0.0123	5.5555	-0.2121	0.1665	0.0159	0.1041	0.0941	0.6183
54	36.50	0.03	0.0070	5.5555	-0.0072	5.5555	-0.1920	0.1747	0.0154	0.1077	0.0857	0.5953
55	36.72	0.02	0.0051	5.5555	-0.0106	5.5555	-0.1827	0.1907	0.0145	0.1112	0.0760	0.5631
56	36.97	0.00	0.0046	5.5555	-0.0134	5.5555	-0.2691	0.1801	0.0164	0.1055	0.0910	0.5858
57	37.22	0.02	0.0051	5.5555	-0.0113	5.5555	-0.1912	0.1787	0.0166	0.1050	0.0529	0.5876
58	37.45	0.00	0.0025	5.5555	-0.0087	5.5555	-0.1392	0.1665	0.0166	0.1055	0.0890	0.5657
59	37.68	0.01	0.0044	5.5555	-0.0112	5.5555	-0.2059	0.2031	0.0154	0.1118	0.0758	0.5505
60	37.93	0.02	0.0037	5.5555	-0.0055	5.5555	-0.1491	0.1985	0.0163	0.1097	0.0821	0.5526
61	38.15	-0.02	0.0050	5.5555	-0.0050	5.5555	-0.1525	0.2081	0.0156	0.1127	0.0750	0.5416
62	38.36	0.02	0.0060	5.5555	-0.0084	5.5555	-0.1275	0.2245	0.0135	0.1179	0.0618	0.5242
63	38.63	-0.00	0.0045	5.5555	-0.0121	5.5555	-0.2220	0.2118	0.0157	0.1120	0.0741	0.5288
64	38.88	0.01	0.0051	5.5555	-0.0106	5.5555	-0.1827	0.1872	0.0190	0.1016	0.1015	0.5438
65	39.09	-0.01	0.0013	5.5555	-0.0053	5.5555	-0.1517	0.1952	0.0184	0.1036	0.0942	0.5307
66	39.32	0.01	0.0051	5.5555	-0.0127	5.5555	-0.2438	0.1880	0.0193	0.1009	0.1026	0.5367
67	39.53	0.01	0.0047	5.5555	-0.0143	5.5555	-0.2936	0.2205	0.0159	0.1135	0.0721	0.5147
68	39.77	-0.04	0.0032	5.5555	-0.0117	5.5555	-0.2199	0.1959	0.0209	0.1018	0.1067	0.5197
69	40.03	-0.01	0.0027	5.5555	-0.0101	5.5555	-0.1781	0.2161	0.0190	0.1093	0.0871	0.5011
70	40.25	0.01	0.0050	5.5555	-0.0124	5.5555	-0.2230	0.2034	0.0212	0.1029	0.1042	0.5055
71	40.45	-0.01	0.0050	5.5555	-0.0123	5.5555	-0.2416	0.2166	0.0201	0.1069	0.0937	0.4981
72	40.66	-0.02	0.0047	5.5555	-0.0143	5.5555	-0.2936	0.2264	0.0191	0.1120	0.0836	0.4904
73	40.86	-0.00	0.0047	5.5555	-0.0143	5.5555	-0.2936	0.2359	0.0195	0.1126	0.0827	0.4773
74	41.08	0.01	0.0050	5.5555	-0.0123	5.5555	-0.2416	0.2523	0.0184	0.1164	0.0729	0.4693
75	41.29	-0.02	0.0044	5.5555	-0.0125	5.5555	-0.2296	0.2329	0.0217	0.1095	0.0932	0.4702
76	41.44	-0.01	0.0042	5.5555	-0.0127	5.5555	-0.2749	0.2579	0.0196	0.1186	0.0760	0.4596
77	41.72	-0.02	0.0058	5.5555	-0.0086	5.5555	-0.1488	0.2802	0.0176	0.1255	0.0628	0.4476
78	41.91	-0.03	0.0048	5.5555	-0.0144	5.5555	-0.3364	0.2670	0.0172	0.1276	0.0599	0.4456
79	42.12	-0.01	0.0046	5.5555	-0.0123	5.5555	-0.2572	0.3377	0.0121	0.1463	0.0358	0.4332
80	42.31	-0.04	0.0026	5.5555	-0.0114	5.5555	-0.2192	0.2971	0.0175	0.1297	0.0589	0.4366
81	42.53	-0.01	0.0046	5.5555	-0.0140	5.5555	-0.3365	0.3059	0.0163	0.1334	0.0533	0.4361
82	42.73	-0.01	0.0046	5.5555	-0.0134	5.5555	-0.3131	0.3160	0.0167	0.1352	0.0528	0.4278
83	42.90	-0.01	0.0040	5.5555	-0.0138	5.5555	-0.3138	0.3281	0.0162	0.1393	0.0494	0.4248
84	43.09	-0.01	0.0044	5.5555	-0.0112	5.5555	-0.2054	0.2906	0.0207	0.1271	0.0693	0.4257
85	43.28	-0.00	0.0040	5.5555	-0.0130	5.5555	-0.3704	0.3376	0.0156	0.1432	0.0462	0.4262
86	43.46	0.01	0.0044	5.5555	-0.0136	5.5555	-0.3366	0.3500	0.0187	0.1371	0.0567	0.4155
87	43.63	-0.01	0.0047	5.5555	-0.0131	5.5555	-0.2764	0.2587	0.0235	0.1227	0.0814	0.4230
88	43.82	0.00	0.0020	5.5555	-0.0105	5.5555	-0.2096	0.2981	0.0230	0.1247	0.0771	0.4183
89	44.00	-0.01	0.0027	5.5555	-0.0116	5.5555	-0.2717	0.3311	0.0208	0.1382	0.0622	0.4114
90	44.19	-0.02	0.0033	5.5555	-0.0133	5.5555	-0.3364	0.3337	0.0206	0.1374	0.0617	0.4117
91	44.35	-0.03	0.0051	5.5555	-0.0133	5.5555	-0.2949	0.3573	0.0187	0.1459	0.0523	0.4083
92	44.55	-0.01	0.0034	5.5555	-0.0163	5.5555	-0.4540	0.3601	0.0202	0.1440	0.0561	0.3996

PAGE 3 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MAC	AXIS	6	PHI	CNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	109	1.10	1.7		0.0	0.0	0.0	0	-30	0	-30	UNKNOWN
SCAT	ALPHA	BETA	CNF3	CH3	CB3	XCFF3	YCFF3	CNF4	CH4	CB4	XCFF4	YCFF4
93	44.73	-0.02	0.0428	5.9999	-0.0126	5.9999	-0.2944	0.3229	0.0249	0.1295	0.0771	0.4011
94	44.91	-0.02	0.0404	5.9999	-0.0127	5.9999	-0.3144	0.3046	0.0268	0.1228	0.0880	0.4032
95	45.10	-0.01	0.0474	5.9999	-0.0113	5.9999	-0.2384	0.3134	0.0272	0.1255	0.0868	0.4017
96	45.30	-0.02	0.0426	5.9999	-0.0056	5.9999	-0.2500	0.3143	0.0262	0.1276	0.0820	0.3996
97	45.47	-0.02	0.0436	5.9999	-0.0106	5.9999	-0.2420	0.3426	0.0277	0.1352	0.0721	0.3946
98	45.64	-0.01	0.0357	5.9999	-0.0122	5.9999	-0.3417	0.3206	0.0268	0.1264	0.0820	0.3944
99	45.84	-0.04	0.0426	5.9999	-0.0085	5.9999	-0.2089	0.3258	0.0279	0.1265	0.0856	0.3883
100	46.03	-0.03	0.0450	5.9999	-0.0110	5.9999	-0.2444	0.3428	0.0276	0.1316	0.0811	0.3839
101	46.19	-0.04	0.0356	5.9999	-0.0131	5.9999	-0.3656	0.3649	0.0287	0.1316	0.0832	0.3616
102	46.36	-0.03	0.0415	5.9999	-0.0104	5.9999	-0.2506	0.3431	0.0294	0.1247	0.0857	0.3780
103	46.54	-0.05	0.0357	5.9999	-0.0122	5.9999	-0.3417	0.3458	0.0253	0.1303	0.0847	0.3768
104	46.72	-0.04	0.0439	5.9999	-0.0107	5.9999	-0.2437	0.3332	0.0321	0.1233	0.0963	0.3700
105	46.89	-0.05	0.0520	5.9999	-0.0087	5.9999	-0.1673	0.3431	0.0314	0.1278	0.0915	0.3725
106	47.04	-0.04	0.0415	5.9999	-0.0055	5.9999	-0.2289	0.3412	0.0323	0.1264	0.0947	0.3705
107	47.23	-0.03	0.0427	5.9999	-0.0056	5.9999	-0.2295	0.3255	0.0357	0.1193	0.1057	0.3665
108	47.41	-0.04	0.0474	5.9999	-0.0055	5.9999	-0.2004	0.3164	0.0373	0.1147	0.1179	0.3625
109	47.58	-0.05	0.0426	5.9999	-0.0103	5.9999	-0.2407	0.2954	0.0396	0.1055	0.1340	0.3571
110	47.74	-0.05	0.0427	5.9999	-0.0094	5.9999	-0.2201	0.2670	0.0409	0.0945	0.1532	0.3535
111	47.92	-0.04	0.0422	5.9999	-0.0076	5.9999	-0.1686	0.2564	0.0418	0.0902	0.1617	0.3491
112	48.11	-0.04	0.0415	5.9999	-0.0081	5.9999	-0.1952	0.2574	0.0414	0.0901	0.1608	0.3500
113	48.28	-0.02	0.0326	5.9999	-0.0113	5.9999	-0.3156	0.2706	0.0356	0.0959	0.1463	0.3544
114	48.44	-0.03	0.0391	5.9999	-0.0070	5.9999	-0.1740	0.2643	0.0412	0.0920	0.1555	0.3481
115	48.62	-0.03	0.0360	5.9999	-0.0085	5.9999	-0.2342	0.2644	0.0407	0.0933	0.1508	0.3457
116	48.80	-0.01	0.0452	5.9999	-0.0106	5.9999	-0.2345	0.2614	0.0416	0.0976	0.1457	0.3468
117	48.98	-0.02	0.0352	5.9999	-0.0086	5.9999	-0.2245	0.2659	0.0403	0.0952	0.1465	0.3476
118	49.15	-0.02	0.0451	5.9999	-0.0052	5.9999	-0.2040	0.2711	0.0405	0.1001	0.1364	0.3435
119	49.30	-0.00	0.0351	5.9999	-0.0065	5.9999	-0.1662	0.2862	0.0395	0.0985	0.1380	0.3442
120	49.49	0.01	0.0436	5.9999	-0.0064	5.9999	-0.1918	0.2933	0.0387	0.1006	0.1319	0.3437
121	49.64	0.01	0.0531	5.9999	-0.0056	5.9999	-0.1092	0.3005	0.0379	0.1025	0.1261	0.3411
122	49.82	0.01	0.0379	5.9999	-0.0070	5.9999	-0.1847	0.2987	0.0385	0.1021	0.1285	0.3418
123	50.00	-0.00	0.0427	5.9999	-0.0085	5.9999	-0.2084	0.3011	0.0388	0.1018	0.1288	0.3381
124	50.20	0.01	0.0424	5.9999	-0.0062	5.9999	-0.1261	0.3047	0.0391	0.1032	0.1283	0.3387
125	49.85	0.00	0.0360	5.9999	-0.0084	5.9999	-0.2211	0.2884	0.0404	0.0979	0.1401	0.3395
126	46.45	-0.03	0.0438	5.9999	-0.0070	5.9999	-0.1548	0.2626	0.0412	0.0982	0.1456	0.3475

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	KACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	11C	6.00	1.7	0.0	0.10F15	C.C	0	-30	0	-30	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP
1	-0.05	0.00	-1.4221	0.5550	0.0351	-0.0778	0.0043	0.9812	0.2445	0.7367	-4.5613
2	-0.06	-0.01	-1.4667	0.6510	-0.0155	0.0240	0.0042	0.9928	0.2445	0.7403	-4.5348
3	-0.05	-0.02	-1.4415	0.5623	0.0455	-0.0665	0.0043	0.9885	0.2455	0.7426	-4.5523
4	-0.19	-0.02	-1.4665	0.6367	0.0345	-0.0894	0.0045	1.0165	0.2427	0.7758	-4.6055
5	0.30	-0.01	-1.5735	7.3541	-0.0276	-0.0520	-0.0023	1.0430	0.2587	0.8113	-4.6737
6	1.98	-0.01	-1.5230	7.5774	0.0281	-0.1448	0.0055	1.0335	0.2152	0.8183	-4.5753
7	3.70	-0.01	-1.3252	6.2721	0.0023	-0.1032	0.0059	0.9534	0.2061	0.7773	-5.4711
8	5.50	-0.01	-1.0634	6.6266	0.0031	-0.0508	0.0063	0.9164	0.2005	0.7159	-6.2850
9	7.28	-0.01	-0.8633	6.0858	0.0165	-0.0574	0.0067	0.8425	0.2032	0.6351	-7.5759
10	9.17	-0.01	-0.5248	5.5163	0.0040	-0.0800	0.0072	0.7657	0.1995	0.5662	-10.5003
11	10.89	-0.02	-0.2170	4.9035	-0.0525	-0.0328	0.0076	0.6985	0.1987	0.4958	-22.5555
12	12.74	-0.01	0.0068	4.3164	0.0006	-0.0645	0.0083	0.6230	0.1977	0.4259	49.6334
13	14.51	-0.02	0.4185	3.6785	-0.0512	0.0896	0.0158	0.5480	0.1977	0.3503	8.7410
14	16.33	-0.01	0.7459	3.0036	-0.0513	0.0713	0.0023	0.4711	0.1982	0.2729	4.1121
15	18.00	-0.02	1.0601	2.5764	-0.1753	0.4255	0.0161	0.4073	0.2022	0.2051	2.4321
16	19.75	-0.03	1.4065	2.0030	-0.2577	0.6057	0.0303	0.3360	0.2078	0.1282	1.4221
17	21.69	-0.03	1.7373	1.6332	-0.5052	1.3571	0.0290	0.2845	0.2225	0.0620	0.5401
18	23.58	-0.04	2.0637	1.2501	-0.7092	2.1790	0.0343	0.2516	0.2395	0.0121	0.5461
19	25.41	-0.04	2.3824	1.0645	-0.6553	1.7750	0.0386	0.1998	0.2468	-0.0470	0.4468
20	27.26	-0.04	2.7156	1.0314	-0.1742	0.5357	0.0262	0.1370	0.2400	-0.1031	0.3798
21	29.18	0.01	3.0616	1.0454	0.1740	-0.0211	0.0760	0.0682	0.2468	-0.1606	0.3406
22	31.04	0.03	3.5285	0.8558	0.3399	0.2557	0.0813	0.0230	0.2538	-0.2358	0.2550
23	32.95	0.04	4.0435	0.6265	0.3255	1.1864	0.0561	-0.0422	0.2786	-0.3205	0.1555
24	35.90	0.02	4.2165	0.6065	0.3613	1.1095	0.0591	-0.0723	0.2809	-0.3533	0.1558
25	38.06	0.05	4.3288	0.7283	0.5134	0.7311	0.0608	-0.0921	0.2777	-0.3699	0.1683
26	34.32	0.06	4.4763	0.6760	0.5552	0.5264	0.0676	-0.0951	0.2848	-0.3800	0.1514
27	34.59	0.06	4.5222	0.7155	0.5383	0.4516	0.0611	-0.1015	0.2848	-0.3863	0.1583
28	34.82	0.06	4.6025	0.4234	0.5053	1.4236	0.0738	-0.1168	0.2966	-0.4133	0.0904
29	35.06	0.06	4.7559	0.3014	0.5102	1.5214	0.0737	-0.1245	0.2964	-0.4228	0.0628
30	35.30	0.06	4.8556	0.4850	0.6336	0.6501	0.0918	-0.1423	0.3021	-0.4443	0.0999
31	35.54	0.06	4.9025	0.5021	0.5732	0.6564	0.0705	-0.1476	0.2989	-0.4464	0.1023
32	35.78	0.06	4.9371	0.6035	0.7445	-0.1705	0.0860	-0.1564	0.2947	-0.4530	0.1222
33	36.01	0.06	4.9879	0.7603	0.7773	-0.4261	0.0637	-0.1613	0.2908	-0.4518	0.1524
34	36.23	0.05	5.0530	0.6044	0.7222	-0.8372	0.0909	-0.1739	0.2942	-0.4680	0.1236
35	36.48	0.06	5.2676	0.3852	0.7558	-0.6865	0.0839	-0.1961	0.3026	-0.4587	0.0739
36	36.73	0.05	5.3757	0.3133	0.5766	0.6853	0.0815	-0.1960	0.3080	-0.5040	0.0583
37	36.95	0.07	5.5235	0.2328	0.7969	-0.0290	0.0820	-0.2250	0.3132	-0.5382	0.0421
38	37.19	0.06	5.5546	0.1005	0.5044	0.5904	0.0729	-0.2248	0.3176	-0.5424	0.0180
39	37.43	0.08	5.8109	-0.1756	0.5535	1.6790	0.0548	-0.2402	0.3297	-0.5655	-0.0302
40	37.65	0.08	5.8602	-0.0757	0.5119	1.8842	0.0402	-0.2392	0.3329	-0.5721	-0.0126
41	37.90	0.06	6.0669	-0.3504	0.4026	2.7005	0.0307	-0.2506	0.3417	-0.5923	-0.0641
42	38.14	0.06	6.1619	-0.3786	0.2572	3.0037	0.0300	-0.2505	0.3472	-0.5577	-0.0614
43	38.36	0.06	6.3188	-0.5712	0.1884	3.7494	0.0208	-0.2593	0.3555	-0.6148	-0.0904
44	38.60	0.05	6.4624	-0.6624	0.1453	3.5120	0.0134	-0.2683	0.3605	-0.6268	-0.1056
45	38.82	0.06	6.5777	-0.6670	0.0675	4.4693	0.0117	-0.2659	0.3694	-0.6353	-0.1227
46	39.04	0.04	6.7548	-0.6126	0.0447	4.3127	0.0058	-0.2943	0.3893	-0.6635	-0.1292

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST 7	PART 11C	MACH 0.00	AXIC=6 1.7	Phi C.C	CONF diagF15	L U.O	DEL1 U	DEL2 -30	DEL3 U	DEL4 -30	TRANSITION UNKNOWN
FCINT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
47	39.26	0.05	6.8500	-0.8610	0.0246	4.5103	-0.0017	-0.2936	0.3689	-0.8624	-0.1261
48	39.47	0.04	6.8473	-0.7743	-0.0657	4.2054	-0.0072	-0.2937	0.3684	-0.8600	-0.1131
49	39.66	0.04	6.8395	-0.5535	-0.0015	3.9541	0.0009	-0.3049	0.3686	-0.8716	-0.0868
50	39.89	0.04	6.8641	-0.5443	0.0712	3.8513	0.0042	-0.3279	0.3641	-0.8920	-0.0792
51	40.05	0.03	6.8681	-0.2277	0.0716	3.0198	0.0191	-0.3278	0.3572	-0.8850	-0.0332
52	40.20	0.03	7.0118	-0.4400	0.2083	3.3301	0.0108	-0.3313	0.3618	-0.8931	-0.0037
53	40.48	0.05	6.5470	-0.1062	0.2522	2.7373	0.0273	-0.3407	0.3581	-0.6568	-0.0242
54	40.70	0.06	7.1471	-0.4301	0.3335	3.1735	0.0260	-0.3255	0.3643	-0.6898	-0.0614
55	40.90	0.06	7.2515	-0.4503	0.3545	3.1526	0.0262	-0.3406	0.3702	-0.7108	-0.0621
56	41.13	0.06	7.4124	-0.3673	0.3635	3.4084	0.0166	-0.3410	0.3737	-0.7147	-0.0765
57	41.32	0.07	7.4056	-0.3402	0.4050	3.4784	0.0114	-0.3652	0.3687	-0.7339	-0.0737
58	41.53	0.07	7.5700	-0.0372	0.4546	3.8867	0.0112	-0.3600	0.3774	-0.7380	-0.0842
59	41.73	0.07	7.7173	-0.5217	0.2582	4.2381	-0.0258	-0.3573	0.3778	-0.7251	-0.1194
60	41.92	0.06	7.7130	-0.0576	0.2886	4.0450	-0.0459	-0.3510	0.3893	-0.7403	-0.0852
61	42.13	0.07	7.5115	-0.3082	0.3270	4.2051	-0.0390	-0.3479	0.3885	-0.7364	-0.1148
62	42.29	0.05	7.6173	-0.0247	0.3001	3.9214	-0.0450	-0.3607	0.3812	-0.7499	-0.0759
63	42.48	0.06	7.9916	-0.5657	0.3020	4.3031	-0.0601	-0.3589	0.3950	-0.7539	-0.1208
64	42.68	0.05	8.1170	-0.0302	0.2900	4.1550	-0.0562	-0.3733	0.3908	-0.7641	-0.1055
65	42.85	0.05	8.1705	-0.5400	0.3167	4.2541	-0.0733	-0.3704	0.3670	-0.7634	-0.1151
66	43.04	0.04	8.1558	-0.1048	0.2880	3.9682	-0.0650	-0.3753	0.3811	-0.7764	-0.0866
67	43.19	0.05	8.2744	-0.8583	0.3826	4.1059	-0.0853	-0.4013	0.3842	-0.7855	-0.1066
68	43.40	0.04	8.3754	-1.0576	0.2522	4.4880	-0.0073	-0.4182	0.3824	-0.8000	-0.1310
69	43.58	0.05	8.4440	-1.2140	0.2527	4.4534	-0.1015	-0.4203	0.3815	-0.8018	-0.1438
70	43.72	0.05	8.3757	-1.0022	0.3014	4.2584	-0.0804	-0.4122	0.3847	-0.7969	-0.1194
71	43.93	0.05	8.6276	-1.3543	0.3157	4.5349	-0.1082	-0.4186	0.3907	-0.8093	-0.1570
72	44.10	0.05	8.3984	-1.0643	0.3125	4.1586	-0.0999	-0.4270	0.3843	-0.8113	-0.1268
73	44.26	0.03	8.5387	-1.1412	0.1541	4.2645	-0.1211	-0.4393	0.3802	-0.8195	-0.1337
74	44.47	0.05	8.7420	-1.3237	0.3095	4.4115	-0.1145	-0.4501	0.3865	-0.8366	-0.1514
75	44.64	0.03	8.5578	-1.0052	0.2346	4.1182	-0.0995	-0.4531	0.3800	-0.8331	-0.1175
76	44.82	0.04	8.7804	-1.3400	0.3364	4.3440	-0.1073	-0.4474	0.3876	-0.8350	-0.1526
77	44.98	0.03	8.7536	-1.0838	0.2833	4.2014	-0.0997	-0.4528	0.3893	-0.8421	-0.1241
78	45.18	0.04	8.5134	-1.3282	0.4065	4.2625	-0.0990	-0.4590	0.3911	-0.8501	-0.1490
79	45.36	0.04	8.5457	-1.3487	0.3565	4.3532	-0.0881	-0.4518	0.3945	-0.8463	-0.1505
80	45.54	0.05	8.6131	-1.1270	0.3475	4.3378	-0.0780	-0.4629	0.3986	-0.8815	-0.1875
81	45.68	0.04	8.5709	-1.2514	0.3809	4.2331	-0.1139	-0.4673	0.3958	-0.8631	-0.1440
82	45.88	0.05	8.1515	-1.0250	0.3402	4.2022	-0.0854	-0.4541	0.4072	-0.8613	-0.1781
83	46.06	0.06	8.3787	-1.7608	0.6374	4.3233	-0.0712	-0.4478	0.4099	-0.8577	-0.1878
84	46.24	0.07	8.4626	-1.8062	0.7520	3.8834	-0.0480	-0.4586	0.4135	-0.8726	-0.1911
85	46.38	0.06	8.4237	-1.6770	0.6618	3.8753	-0.0551	-0.4549	0.4120	-0.8670	-0.1780
86	46.57	0.07	8.6354	-1.5562	0.6045	3.8848	-0.0250	-0.4594	0.4202	-0.8757	-0.2029
87	46.75	0.07	8.5753	-1.8545	0.7666	3.8216	-0.0395	-0.4677	0.4234	-0.8912	-0.1978
88	46.92	0.07	8.6556	-1.9172	0.8155	3.5811	-0.0393	-0.4694	0.4249	-0.8954	-0.1977
89	47.08	0.07	8.7743	-1.9210	0.8747	3.5388	-0.0390	-0.4559	0.4345	-0.8905	-0.1986
90	47.23	0.07	8.8487	-1.9261	0.8240	3.7001	-0.0530	-0.4610	0.4373	-0.8964	-0.1956
91	47.45	0.05	8.5575	-2.0073	1.0586	3.5845	-0.0367	-0.4487	0.4498	-0.8988	-0.2008
92	47.62	0.05	10.1010	-2.0146	1.1100	3.2335	-0.0513	-0.4170	0.4702	-0.6873	-0.1954

PAGE 1 OF 3
SHEET 3 OF 4

PART II MISSILE TAILS EFFECTS DATA

TEST PART		MACT	RX10-6	PHI	CCAF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		110	0.00	1.7	0.0	0.0	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP	
93	47.78	0.09	10.1853	-1.8550	1.0798	3.3430	-0.0313	-0.4134	0.4740	-0.8875	-0.1861	
94	47.96	0.09	10.1702	-1.8785	1.0696	3.4562	-0.0802	-0.4294	0.4713	-0.9013	-0.1847	
95	48.13	0.08	10.2610	-1.8783	1.0015	3.6094	-0.0562	-0.4109	0.4795	-0.8506	-0.1831	
96	48.30	0.08	10.2914	-1.8698	0.9484	3.7501	-0.0804	-0.4308	0.4707	-0.9094	-0.1778	
97	48.47	0.08	10.3056	-1.7375	0.9224	3.6368	-0.0810	-0.4136	0.4630	-0.8937	-0.1686	
98	48.62	0.07	10.2907	-1.8048	0.7555	4.0705	-0.1031	-0.4120	0.4639	-0.8559	-0.1616	
99	48.81	0.07	10.4385	-1.7756	0.9410	3.9285	-0.0950	-0.4156	0.4877	-0.9033	-0.1701	
100	48.98	0.07	10.4619	-1.7353	0.8588	3.9573	-0.0946	-0.4150	0.4850	-0.9040	-0.1659	
101	49.19	0.08	10.5496	-1.7625	0.9356	4.1136	-0.1098	-0.4384	0.4904	-0.9273	-0.1747	
102	49.32	0.06	10.4923	-1.8722	0.8737	4.3475	-0.1318	-0.4341	0.4941	-0.9282	-0.1594	
103	49.51	0.07	10.6606	-1.7666	0.8566	4.3508	-0.1172	-0.4444	0.4934	-0.9348	-0.1675	
104	49.69	0.07	10.7037	-1.8025	0.8581	4.4268	-0.1150	-0.4394	0.4905	-0.9364	-0.1514	
105	49.84	0.07	10.7251	-1.6505	0.7934	4.3282	-0.1236	-0.4446	0.4909	-0.9355	-0.1544	
106	50.01	0.06	10.6646	-1.8032	0.8852	4.4674	-0.1306	-0.4680	0.4830	-0.9709	-0.1503	
107	50.19	0.06	10.6805	-1.8427	0.8864	4.2550	-0.1431	-0.4738	0.4705	-0.9504	-0.1257	
108	50.34	0.04	10.5063	-1.8556	0.4452	4.0831	-0.1351	-0.4994	0.4538	-0.9532	-0.1003	
109	50.51	0.04	10.5225	-0.8864	0.5081	3.5122	-0.1107	-0.5166	0.4533	-0.9655	-0.0825	
110	50.67	0.04	10.5074	-0.8413	0.4344	3.5508	-0.1259	-0.5084	0.4200	-0.9684	-0.0610	
111	50.85	0.04	10.5883	-0.7163	0.5204	3.1593	-0.1026	-0.5212	0.4548	-0.9760	-0.0678	
112	51.01	0.03	10.6332	-0.8757	0.4250	3.4041	-0.1173	-0.5386	0.4345	-0.9731	-0.0639	
113	51.19	0.04	10.7413	-0.8371	0.4765	3.5087	-0.1172	-0.5054	0.4640	-0.9893	-0.0776	
114	51.36	0.05	10.4521	-1.1854	0.5220	3.8236	-0.1110	-0.4853	0.4951	-0.9803	-0.1086	
115	51.54	0.05	10.5503	-1.0437	0.4725	4.0408	-0.1186	-0.4774	0.5016	-0.9790	-0.0950	
116	51.71	0.06	11.3057	-1.4953	0.4304	4.8228	-0.1204	-0.4568	0.5247	-0.9835	-0.1316	
117	51.89	0.03	11.3517	-1.5288	0.2215	5.0403	-0.1421	-0.4973	0.4933	-0.9505	-0.1347	
118	52.05	0.05	11.5137	-1.6375	0.4153	4.9858	-0.1348	-0.4713	0.5152	-0.9505	-0.1423	
119	52.23	0.05	11.5160	-1.5335	0.4051	4.7913	-0.1194	-0.4577	0.5302	-0.9879	-0.1332	
120	52.40	0.07	11.7614	-1.6154	0.6575	5.2532	-0.1496	-0.4599	0.5335	-0.9938	-0.1542	
121	52.57	0.08	11.6721	-1.5677	0.6282	5.3075	-0.1350	-0.4609	0.5446	-1.0055	-0.1657	
122	52.73	0.07	11.6620	-1.5067	0.4882	5.5146	-0.1501	-0.4609	0.5388	-0.9995	-0.1609	
123	52.91	0.07	12.0026	-2.0057	0.5718	5.3722	-0.1422	-0.4603	0.5419	-1.0022	-0.1738	
124	53.07	0.10	12.1184	-2.1762	0.6751	5.6671	-0.1342	-0.4690	0.5498	-1.0188	-0.1796	
125	53.24	0.08	12.2118	-2.3140	0.7534	4.8785	-0.1180	-0.4825	0.5386	-1.0210	-0.1855	
126	53.41	0.09	12.3669	-2.2046	0.5242	4.2713	-0.1077	-0.4706	0.5458	-1.0222	-0.1853	
127	53.58	0.08	12.3211	-2.2545	0.8236	4.3657	-0.0950	-0.4722	0.5424	-1.0146	-0.1863	
128	53.75	0.10	12.7656	-2.7015	1.1444	3.7506	-0.0422	-0.4903	0.5350	-1.0252	-0.2116	
129	53.89	0.09	12.6434	-2.6527	1.0914	3.8751	-0.0628	-0.5037	0.5341	-1.0377	-0.2058	
130	54.06	0.10	12.1241	-2.7907	1.1732	3.1001	0.0031	-0.4826	0.5264	-1.0094	-0.2153	
131	54.22	0.09	12.7617	-2.8318	1.0565	3.2228	0.0030	-0.4888	0.5359	-1.0286	-0.2215	
132	54.37	0.07	12.8683	-2.7545	0.5553	2.6804	0.0345	-0.4767	0.5372	-1.0139	-0.2144	
133	54.56	0.09	13.0527	-3.0261	1.1451	2.8850	0.0266	-0.4935	0.5410	-1.0344	-0.2318	
134	54.73	0.06	13.0215	-2.8022	1.0751	2.8565	0.0356	-0.4730	0.5476	-1.0206	-0.2213	
135	54.88	0.08	13.0584	-2.8930	1.0559	2.8807	0.0414	-0.4801	0.5492	-1.0293	-0.2215	
136	55.06	0.06	13.2470	-3.0605	1.1231	2.8565	0.0492	-0.4808	0.5498	-1.0363	-0.2302	
137	55.19	0.07	13.0525	-2.8255	0.9081	2.8540	0.0345	-0.4908	0.5354	-1.0299	-0.2188	
138	55.35	0.07	13.1803	-2.8565	0.9109	2.9245	0.0345	-0.4644	0.5521	-1.0165	-0.2198	

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PACH RTIC-6			PHI	CONF	L	CEL1	CEL2	CEL3	CEL4	TRANSITION	
7 110 0.80 1.7			C.C	B100F15	0.0	0	-30	0	-30	UNKNOWN	
FLINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
139	55.50	0.06	13.2420	-3.0050	0.7823	2.8118	0.0350	-0.4738	0.5531	-1.0209	-0.2269
140	55.60	0.07	13.2451	-3.0734	1.0571	2.7423	0.0354	-0.4659	0.5485	-1.0343	-0.2320
141	55.80	0.07	13.3425	-3.0350	0.9630	3.0125	0.0350	-0.4716	0.5547	-1.0263	-0.2278
142	55.90	0.06	13.4155	-3.0061	0.8603	2.8231	0.0307	-0.4830	0.5612	-1.0441	-0.2242
143	56.10	0.07	13.4476	-2.9601	1.1136	2.8373	0.0351	-0.4746	0.5659	-1.0405	-0.2208
144	56.20	0.07	13.4774	-2.9750	1.1012	2.7144	0.0353	-0.4790	0.5674	-1.0469	-0.2211
145	56.40	0.05	13.7360	-3.1301	1.3107	2.8535	0.0354	-0.4858	0.5720	-1.0617	-0.2279
146	56.60	0.06	13.7130	-3.1255	1.1365	2.7645	0.0369	-0.4935	0.5786	-1.0721	-0.2279
147	56.70	0.07	13.8410	-3.1518	1.2252	2.8328	0.0342	-0.4859	0.5757	-1.0615	-0.2277
148	56.95	0.06	13.9634	-3.2045	1.1296	2.7249	0.0360	-0.5017	0.5770	-1.0787	-0.2295
149	57.10	0.03	13.8452	-3.2322	0.9505	2.7125	0.0375	-0.4657	0.5845	-1.0702	-0.2335
150	57.26	0.06	13.9185	-3.1614	1.3421	2.7247	0.0340	-0.4658	0.5900	-1.0558	-0.2286
151	57.40	0.06	13.9164	-3.1405	1.1655	2.6112	0.0326	-0.4793	0.5939	-1.0733	-0.2257
152	57.50	0.06	13.8905	-3.0242	0.9212	2.2507	0.0403	-0.4725	0.5977	-1.0763	-0.2209
153	57.71	0.05	14.0222	-3.0005	0.9585	2.6271	0.0364	-0.4631	0.6084	-1.0716	-0.2183
154	57.85	0.04	13.9538	-2.8651	0.9105	2.4327	0.0372	-0.4530	0.6100	-1.0630	-0.2075
155	58.00	0.04	13.9756	-2.8735	0.8876	2.6470	0.0365	-0.4571	0.6155	-1.0727	-0.2056
156	58.14	0.02	13.8060	-2.9625	0.9521	2.5010	0.0341	-0.4498	0.6142	-1.0640	-0.2146

PAGE 2 OF 3
SHEET 1 OF 6

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART NAME AX10-6												
7 110 U.S.C. 1.7												
PRT CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
U.C. 610P13 C.C. 0 -30 0 -30 UNKNOWN												
PCINT	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8	CONF9	CONF10
1	-0.05	0.00	-0.0011	0.0012	0.0013	-1.0013	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
2	-0.06	-0.01	-0.0005	0.0012	0.0013	-1.0013	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
3	-0.05	-0.02	-0.0010	0.0012	0.0013	-1.0013	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
4	-0.19	-0.04	-0.0016	0.0015	0.0017	-1.0017	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
5	0.30	-0.01	-0.0011	0.0012	0.0013	-1.0013	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
6	1.58	-0.01	-0.0004	0.0012	0.0013	-1.0013	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
7	3.70	-0.01	-0.0012	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
8	5.50	-0.01	-0.0011	0.0012	0.0013	-1.0013	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
9	7.28	-0.01	-0.0007	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
10	9.17	-0.01	-0.0010	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
11	10.89	-0.02	-0.0005	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
12	12.74	-0.01	-0.0006	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
13	14.51	-0.02	-0.0011	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
14	16.33	-0.01	-0.0012	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
15	18.00	-0.02	-0.0007	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
16	19.79	-0.03	-0.0012	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
17	21.60	-0.03	-0.0012	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
18	23.38	-0.04	-0.0012	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
19	25.41	-0.04	-0.0012	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
20	27.20	-0.02	-0.0007	0.0013	0.0014	-1.0014	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
21	29.18	0.01	0.0013	0.0014	0.0015	-1.0015	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
22	31.04	0.03	0.0013	0.0014	0.0015	-1.0015	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
23	32.55	0.04	0.0013	0.0014	0.0015	-1.0015	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
24	34.00	0.04	0.0013	0.0014	0.0015	-1.0015	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
25	35.06	0.05	0.0013	0.0014	0.0015	-1.0015	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
26	36.32	0.06	0.0014	0.0014	0.0015	-1.0015	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
27	37.57	0.06	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
28	38.62	0.06	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
29	39.06	0.06	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
30	39.30	0.06	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
31	39.54	0.06	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
32	39.78	0.06	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
33	39.91	0.06	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
34	40.23	0.05	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
35	40.78	0.06	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
36	40.73	0.05	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
37	40.55	0.07	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
38	40.19	0.08	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
39	40.43	0.08	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
40	40.05	0.08	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
41	39.93	0.06	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
42	40.14	0.06	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
43	40.30	0.06	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
44	40.60	0.05	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
45	40.82	0.06	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021
46	40.04	0.04	0.0015	0.0015	0.0016	-1.0016	-7.0009	-0.0010	-0.0020	-0.0033	0.0029	0.0021

PAGE 2 OF 3
SHEET 2 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		PHI		CONF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		110		0.00		1.0		0.0		0.0		-30		0		-30		UNKNOWN	
PLINT	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8	CONF9	CONF10	CONF11	CONF12	CONF13	CONF14	CONF15	CONF16	CONF17
47	39.20	0.05	-0.3572	-0.3508	-0.1266	-0.1303	0.3647	0.3816	0.0671	0.1530	0.2283	0.4007							
48	39.47	0.04	-0.3536	-0.3458	-0.1266	-0.1259	0.3519	0.3876	0.0673	0.1512	0.2234	0.4056							
49	39.66	0.04	-0.3381	-0.3304	-0.1232	-0.0501	0.3642	0.3957	0.0677	0.1639	0.2217	0.4142							
50	39.89	0.04	-0.3223	-0.3146	-0.1170	0.0020	0.3650	0.4084	0.0680	0.1657	0.2153	0.4150							
51	40.09	0.03	-0.2133	-0.3005	-0.0752	-0.0023	0.3714	0.4204	0.0685	0.1754	0.2106	0.4184							
52	40.28	0.05	-0.2024	-0.3100	-0.0666	-0.0402	0.3737	0.4252	0.0685	0.1750	0.2082	0.4229							
53	40.43	0.05	-0.1571	-0.3056	-0.0715	-0.0295	0.3647	0.4203	0.0680	0.1761	0.2109	0.4150							
54	40.70	0.06	-0.2237	-0.3013	-0.0620	0.0321	0.3535	0.4243	0.0686	0.1761	0.2088	0.4196							
55	40.90	0.06	-0.2554	-0.3057	-0.0504	0.0380	0.3540	0.4356	0.0691	0.1851	0.2045	0.4246							
56	41.13	0.06	-0.2444	-0.3103	-0.0697	0.0414	0.3604	0.4350	0.0689	0.1847	0.2045	0.4246							
57	41.32	0.07	-0.2615	-0.3101	-0.0574	0.0367	0.3725	0.4495	0.0689	0.1915	0.1577	0.4267							
58	41.53	0.07	-0.2855	-0.3172	-0.1060	0.0604	0.3705	0.4530	0.0694	0.1946	0.1575	0.4301							
59	41.73	0.07	-0.3093	-0.3226	-0.1120	0.1053	0.3623	0.4759	0.0691	0.2073	0.1873	0.4355							
60	41.92	0.06	-0.3036	-0.3216	-0.1176	0.0713	0.3675	0.4727	0.0692	0.2044	0.1888	0.4323							
61	42.13	0.07	-0.3305	-0.3283	-0.1084	0.0543	0.3505	0.4913	0.0696	0.2145	0.1825	0.4373							
62	42.29	0.05	-0.3091	-0.3247	-0.1153	0.0600	0.3732	0.4881	0.0699	0.2113	0.1843	0.4328							
63	42.48	0.06	-0.3286	-0.3326	-0.1236	0.0697	0.3742	0.5110	0.0696	0.2224	0.1754	0.4351							
64	42.68	0.05	-0.3165	-0.3268	-0.1236	0.0647	0.3899	0.5143	0.0696	0.2214	0.1756	0.4304							
65	42.85	0.05	-0.3331	-0.3335	-0.1292	0.1004	0.3877	0.5331	0.0699	0.2294	0.1687	0.4313							
66	43.01	0.04	-0.3217	-0.3222	-0.1323	0.0691	0.4111	0.5232	0.0696	0.2251	0.1717	0.4302							
67	43.19	0.05	-0.3577	-0.3285	-0.1166	0.0541	0.3863	0.5358	0.0695	0.2304	0.1666	0.4266							
68	43.40	0.04	-0.3564	-0.3364	-0.1416	0.1070	0.3950	0.5666	0.0694	0.2418	0.1580	0.4272							
69	43.58	0.05	-0.3510	-0.3364	-0.1412	0.1036	0.4022	0.5693	0.0694	0.2427	0.1571	0.4263							
70	43.72	0.05	-0.3455	-0.3284	-0.1426	0.0830	0.4132	0.5677	0.0694	0.2393	0.1584	0.4215							
71	43.93	0.05	-0.3576	-0.3423	-0.1446	0.1182	0.4093	0.6087	0.0694	0.2571	0.1465	0.4224							
72	44.10	0.05	-0.3746	-0.3464	-0.1516	0.0570	0.4211	0.5891	0.0694	0.2476	0.1518	0.4203							
73	44.26	0.03	-0.3684	-0.3350	-0.1557	0.1058	0.4308	0.6138	0.0691	0.2589	0.1452	0.4186							
74	44.47	0.05	-0.3612	-0.3462	-0.1475	0.1112	0.4063	0.6200	0.0694	0.2585	0.1443	0.4176							
75	44.64	0.03	-0.3554	-0.3354	-0.1494	0.0595	0.4203	0.6100	0.0694	0.2550	0.1466	0.4180							
76	44.82	0.04	-0.3731	-0.3357	-0.1571	0.1030	0.4211	0.6211	0.0694	0.2563	0.1440	0.4156							
77	44.98	0.03	-0.3284	-0.3262	-0.1385	0.0660	0.4229	0.6125	0.0691	0.2527	0.1472	0.4126							
78	45.10	0.04	-0.3147	-0.3343	-0.1227	0.1004	0.3890	0.6191	0.0699	0.2565	0.1453	0.4144							
79	45.36	0.04	-0.3461	-0.3350	-0.1365	0.1010	0.3954	0.6261	0.0692	0.2594	0.1437	0.4130							
80	45.54	0.05	-0.3269	-0.3361	-0.1346	0.1338	0.3801	0.6463	0.0696	0.2605	0.1390	0.4130							
81	45.68	0.04	-0.3265	-0.3361	-0.1311	0.1103	0.4009	0.6414	0.0690	0.2638	0.1404	0.4113							
82	45.80	0.05	-0.2732	-0.3355	-0.1044	0.1290	0.3712	0.6494	0.0691	0.2662	0.1388	0.4106							
83	46.06	0.06	-0.2586	-0.3367	-0.0855	0.1495	0.3306	0.6573	0.0698	0.2688	0.1367	0.4087							
84	46.24	0.07	-0.1936	-0.3316	-0.0567	0.1604	0.3030	0.6646	0.0696	0.2711	0.1350	0.4083							
85	46.38	0.06	-0.2661	-0.3312	-0.0726	0.1378	0.3211	0.6585	0.0690	0.2698	0.1374	0.4098							
86	46.57	0.07	-0.1253	-0.3197	-0.0290	0.1515	0.2316	0.6667	0.0692	0.2750	0.1300	0.4075							
87	46.75	0.07	-0.1684	-0.3251	-0.0528	0.1493	0.3133	0.6933	0.0686	0.2801	0.1262	0.4061							
88	46.92	0.07	-0.1230	-0.3162	-0.0356	0.1313	0.2885	0.6932	0.0694	0.2815	0.1290	0.4062							
89	47.08	0.07	-0.1462	-0.3225	-0.0367	0.1591	0.2687	0.6998	0.0696	0.2825	0.1290	0.4064							
90	47.25	0.07	-0.1454	-0.3230	-0.0405	0.1565	0.2810	0.6994	0.0692	0.2834	0.1275	0.4050							
91	47.45	0.09	-0.1355	-0.3234	-0.0350	0.1676	0.2505	0.7051	0.0686	0.2836	0.1257	0.4026							
92	47.62	0.09	-0.1160	-0.3167	-0.0335	0.1441	0.2690	0.7086	0.0674	0.2854	0.1234	0.4027							

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME FIXC-6			PHI	CNCF	L	CEL1	DEL2	CEL3	CEL4	TRANSITION		
7 110 G.00 1.7			J.00 0.10U15 G.C			0	-30	0	-30	UNKNOWN		
FLINT	ALPHA	BETA	CNF1	CH1	COL	XCPF1	YCPF1	CNF2	CH2	C22	XCPF2	YCPF2
93	47.78	0.05	-0.1300	-0.0233	-0.0380	0.1700	0.2702	0.7079	0.0013	0.2774	0.1145	0.3915
94	47.98	0.05	-0.1311	-0.0227	-0.0407	0.1770	0.2490	0.7140	0.0047	0.2621	0.1187	0.3552
95	48.13	0.06	-0.1000	-0.0325	-0.0512	0.1757	0.2033	0.7371	0.0055	0.2615	0.1210	0.3562
96	48.30	0.06	-0.1000	-0.0291	-0.0571	0.1577	0.3000	0.7152	0.0074	0.2064	0.1223	0.4004
97	48.47	0.06	-0.1030	-0.0317	-0.0575	0.1729	0.3102	0.7100	0.0000	0.2674	0.1206	0.3555
98	48.62	0.07	-0.0900	-0.0400	-0.0621	0.1620	0.3328	0.7061	0.0041	0.2750	0.1192	0.3552
99	48.81	0.07	-0.0230	-0.0381	-0.0650	0.1701	0.3110	0.7218	0.0091	0.2507	0.1235	0.4027
100	48.98	0.07	-0.1070	-0.0340	-0.0591	0.1700	0.2409	0.7110	0.0045	0.2600	0.1178	0.3567
101	49.15	0.08	-0.0207	-0.0388	-0.0700	0.1710	0.3114	0.7291	0.0064	0.2850	0.1186	0.3974
102	49.32	0.06	-0.0300	-0.0400	-0.1031	0.1615	0.3451	0.7191	0.0064	0.2049	0.1202	0.3963
103	49.51	0.07	-0.0225	-0.0450	-0.0510	0.1611	0.3245	0.7267	0.0812	0.2830	0.1115	0.3884
104	49.69	0.07	-0.0323	-0.0421	-0.0600	0.1607	0.3200	0.7400	0.0024	0.2514	0.1114	0.3537
105	49.86	0.07	-0.0352	-0.0454	-0.1073	0.1547	0.3303	0.7368	0.0002	0.2079	0.1066	0.3856
106	50.01	0.06	-0.0404	-0.0515	-0.1210	0.1490	0.3494	0.7450	0.0753	0.2051	0.1064	0.3877
107	50.19	0.06	-0.0300	-0.0507	-0.1241	0.1467	0.3039	0.7495	0.0780	0.2065	0.1041	0.3827
108	50.34	0.04	-0.0370	-0.0454	-0.1133	0.1525	0.3400	0.7510	0.0709	0.2047	0.1051	0.3457
109	50.51	0.04	-0.0355	-0.0477	-0.1165	0.1541	0.3689	0.7650	0.0754	0.2894	0.0586	0.3782
110	50.67	0.04	-0.0399	-0.0470	-0.1204	0.1375	0.3090	0.7705	0.0749	0.2550	0.0562	0.3799
111	50.85	0.04	-0.0320	-0.0440	-0.0940	0.1741	0.3722	0.7734	0.0700	0.2457	0.0983	0.3823
112	51.01	0.03	-0.0301	-0.0415	-0.0565	0.1010	0.3711	0.7590	0.0731	0.2507	0.1028	0.3825
113	51.19	0.04	-0.0357	-0.0433	-0.0594	0.1020	0.3700	0.7596	0.0792	0.2507	0.1043	0.3826
114	51.36	0.05	-0.0430	-0.0420	-0.0657	0.1752	0.3527	0.7525	0.0810	0.2050	0.1087	0.3848
115	51.54	0.05	-0.0300	-0.0377	-0.0604	0.1570	0.3705	0.7014	0.0700	0.2502	0.1033	0.3811
116	51.71	0.06	-0.0300	-0.0355	-0.0638	0.1400	0.3495	0.7710	0.0701	0.2510	0.0580	0.3777
117	51.89	0.03	-0.0320	-0.0455	-0.1155	0.1351	0.3650	0.7571	0.0760	0.2052	0.1012	0.3760
118	52.05	0.05	-0.0300	-0.0400	-0.0572	0.1450	0.3516	0.7019	0.0770	0.2005	0.1015	0.3760
119	52.23	0.05	-0.0300	-0.0374	-0.0521	0.1395	0.3434	0.7740	0.0755	0.2500	0.0576	0.3740
120	52.40	0.07	-0.0311	-0.0400	-0.1140	0.1314	0.3600	0.7042	0.0741	0.2500	0.0945	0.3733
121	52.57	0.00	-0.0355	-0.0407	-0.1050	0.1377	0.3505	0.7527	0.0720	0.2554	0.0516	0.3726
122	52.75	0.07	-0.0315	-0.0435	-0.1130	0.1385	0.3055	0.7940	0.0732	0.2573	0.0522	0.3744
123	52.91	0.07	-0.0300	-0.0414	-0.1070	0.1370	0.3592	0.8008	0.0722	0.2558	0.0502	0.3743
124	53.07	0.10	-0.0202	-0.0380	-0.0590	0.1400	0.3700	0.7948	0.0607	0.2531	0.0605	0.3667
125	53.24	0.06	-0.0334	-0.0420	-0.0600	0.1650	0.3497	0.7947	0.0573	0.2531	0.0721	0.3680
126	53.41	0.05	-0.1000	-0.0303	-0.0502	0.2230	0.3444	0.8007	0.0496	0.2543	0.0615	0.3675
127	53.58	0.00	-0.1500	-0.0347	-0.0533	0.2311	0.3551	0.7824	0.0490	0.2067	0.0626	0.3664
128	53.75	0.10	-0.1000	-0.0317	-0.0300	0.2810	0.3244	0.7714	0.0400	0.2011	0.0552	0.3604
129	53.85	0.05	-0.1000	-0.0257	-0.0371	0.2751	0.3435	0.7505	0.0393	0.2759	0.0518	0.3638
130	54.00	0.10	-0.0441	-0.0210	-0.0144	0.4557	0.3380	0.7448	0.0394	0.2005	0.0525	0.3611
131	54.22	0.05	-0.0445	-0.0312	-0.0135	0.4320	0.3131	0.7412	0.0407	0.2700	0.0549	0.3643
132	54.37	0.07	0.0175	-0.0042	0.0110	-0.2401	0.6743	0.7122	0.0420	0.2553	0.0585	0.3641
133	54.50	0.05	0.0140	-0.0303	0.0112	-0.4317	0.7071	0.7308	0.0418	0.2035	0.0572	0.3600
134	54.73	0.06	0.0050	-0.0035	0.0170	-0.3890	1.9000	0.7137	0.0420	0.2588	0.0584	0.3601
135	54.88	0.06	0.0000	-0.0011	0.0142	-0.2392	3.0070	0.7117	0.0422	0.2573	0.0593	0.3618
136	55.00	0.08	0.0007	0.0010	0.0101	1.4291	20.7143	0.6875	0.0431	0.2407	0.0626	0.3615
137	55.19	0.07	-0.0200	-0.0001	0.0071	0.2894	-0.2556	0.7185	0.0415	0.2555	0.0583	0.3618
138	55.35	0.07	-0.0002	-0.0015	0.0043	0.8040	-0.7127	0.7101	0.0443	0.2589	0.0618	0.3618

PAGE 2 OF 3
SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART		MACH	AXIC-6	PHI	CCNF	L	CEL1	CEL2	CEL3	CEL4	TRANSITION	
7		110	0.00	1.7	0.0	010015	0.0	-30	0	-30	UNKNOWN	
PLINT	ALPHA	BETA	CNF1	CNI	C01	XCPF1	YCPF1	CNF2	CN2	CB2	XCPF2	YCPF2
139	55.50	0.06	-0.0058	-0.0018	0.0175	0.1837	-1.8265	0.7249	0.0424	0.2615	0.0584	0.3608
140	55.66	0.07	-0.0236	-0.0066	0.0145	0.2271	-0.6304	0.7261	0.0414	0.2621	0.0568	0.3600
141	55.83	0.07	-0.0252	-0.0052	0.0134	0.1762	-0.4589	0.7248	0.0414	0.2598	0.0571	0.3585
142	55.99	0.06	-0.0164	-0.0011	0.0265	0.1010	-2.4312	0.7214	0.0412	0.2595	0.0571	0.3557
143	56.14	0.07	-0.0155	0.0	0.0246	0.0	-1.6000	0.7095	0.0417	0.2538	0.0587	0.3577
144	56.29	0.07	-0.0268	-0.0035	0.0223	0.1210	-0.7743	0.7434	0.0409	0.2614	0.0550	0.3557
145	56.48	0.05	-0.0251	-0.0013	0.0232	0.0447	-0.7973	0.7263	0.0403	0.2614	0.0553	0.3585
146	56.62	0.06	-0.0233	-0.0023	0.0276	0.0508	-1.1568	0.7444	0.0404	0.2671	0.0623	0.3588
147	56.79	0.07	-0.0235	-0.0016	0.0284	0.0681	-1.2065	0.7403	0.0413	0.2648	0.0557	0.3577
148	56.95	0.06	-0.0264	-0.0060	0.0297	0.2042	-1.0102	0.7655	0.0446	0.2721	0.0562	0.3555
149	57.10	0.05	-0.0356	-0.0041	0.0260	0.1152	-0.7865	0.7490	0.0412	0.2678	0.0550	0.3576
150	57.26	0.06	-0.0308	-0.0023	0.0246	0.0434	-0.4852	0.7442	0.0415	0.2670	0.0557	0.3588
151	57.40	0.06	-0.0335	0.0015	0.0335	-0.0468	-1.0000	0.7323	0.0435	0.2624	0.0554	0.3584
152	57.54	0.06	-0.0455	0.0027	0.0284	-0.0595	-0.6256	0.7255	0.0409	0.2610	0.0563	0.3596
153	57.71	0.05	-0.0488	0.0008	0.0316	-0.0164	-0.6530	0.7255	0.0414	0.2590	0.0570	0.3568
154	57.85	0.04	-0.0315	0.0052	0.0400	-0.1651	-1.2698	0.7277	0.0427	0.2602	0.0586	0.3576
155	58.00	0.04	-0.0312	0.0043	0.0327	-0.0704	-0.5352	0.7014	0.0398	0.2498	0.0567	0.3555
156	58.14	0.02	-0.0056	0.0035	0.0306	-0.0590	-0.4702	0.7247	0.0434	0.2593	0.0598	0.3578

PAGE 3 OF 3
 SHEET 1 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART		KACF RTIO=6		PHI CONF		C		DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		110 0.60 1.7		0.0 0.00015		C.C		0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CAF2	CH3	Co3	ACPF3	YCPF3	CAF4	CH4	ACPF4	YCPF4		
1	-0.05	0.00	-0.0203	5.5555	0.0140	5.5555	-0.5224	-1.0185	-0.0276	-0.3783	0.0271	0.3714	
2	-0.06	-0.01	-0.0202	5.5555	0.0125	5.5555	-0.4813	-1.0308	-0.0280	-0.3845	0.0272	0.3734	
3	-0.05	-0.02	-0.0255	5.5555	0.0132	5.5555	-0.4415	-1.0257	-0.0280	-0.3827	0.0273	0.3731	
4	-0.19	-0.02	-0.0208	5.5555	0.0152	5.5555	-0.7308	-1.0421	-0.0257	-0.3511	0.0265	0.3753	
5	0.30	-0.01	-0.0204	5.5555	0.0128	5.5555	-0.4537	-1.1275	-0.0417	-0.4361	0.0370	0.3868	
6	1.98	-0.01	-0.0116	5.5555	0.0176	5.5555	-1.5172	-1.1237	-0.0596	-0.4559	0.0530	0.4057	
7	3.70	-0.01	-0.0177	5.5555	0.0160	5.5555	-1.0040	-1.0524	-0.0615	-0.4385	0.0588	0.4171	
8	5.50	-0.01	-0.0176	5.5555	0.0176	5.5555	-1.0000	-0.9615	-0.0616	-0.3586	0.0641	0.4146	
9	7.28	-0.01	-0.0205	5.5555	0.0181	5.5555	-0.8660	-0.8516	-0.0614	-0.3465	0.0721	0.4065	
10	9.17	-0.01	-0.0178	5.5555	0.0184	5.5555	-1.0337	-0.7409	-0.0524	-0.3033	0.0707	0.4093	
11	10.89	-0.02	-0.0131	5.5555	0.0163	5.5555	-1.2443	-0.6162	-0.0423	-0.2654	0.0686	0.4308	
12	12.74	-0.01	-0.0040	5.5555	0.0165	5.5555	-4.7250	-0.5202	-0.0353	-0.2140	0.0667	0.4050	
13	14.51	-0.02	-0.0040	5.5555	0.0200	5.5555	-5.0000	-0.4176	-0.0292	-0.1515	0.0700	0.3627	
14	16.33	-0.01	-0.0054	5.5555	0.0165	5.5555	-3.1296	-0.3176	-0.0227	-0.1094	0.0713	0.3444	
15	18.00	-0.02	-0.0052	5.5555	0.0131	5.5555	-1.5783	-0.2125	-0.0146	-0.0665	0.0688	0.3146	
16	19.79	-0.03	-0.0052	5.5555	0.0110	5.5555	-2.1154	-0.0968	-0.0034	-0.0264	0.0559	0.2730	
17	21.65	-0.03	-0.0172	5.5555	0.0052	5.5555	-0.3023	-0.0205	0.0071	0.0041	-0.3465	-0.2000	
18	23.58	-0.04	-0.0252	5.5555	-0.0017	5.5555	0.0582	0.0001	0.0214	0.0364	0.3568	0.6067	
19	25.41	-0.04	-0.0080	5.5555	0.0000	5.5555	-0.7500	0.0656	0.0311	0.0396	0.4735	0.6046	
20	27.26	-0.02	0.0163	5.5555	0.0116	5.5555	1.1262	0.0406	0.0430	0.0525	0.4605	0.5790	
21	29.18	0.01	0.0154	5.5555	0.0154	5.5555	0.793E	0.1156	0.0522	0.0639	0.4513	0.5524	
22	31.04	0.03	0.0116	5.5555	0.0130	5.5555	1.1017	0.1498	0.0608	0.0598	0.3105	0.5057	
23	32.95	0.04	0.005E	5.5555	0.0065	5.5555	1.4310	0.3229	0.0689	0.1577	0.2134	0.4884	
24	33.90	0.02	0.0104	5.5555	0.0052	5.5555	0.8046	0.3300	0.0703	0.1646	0.2093	0.4895	
25	34.06	0.05	0.0180	5.5555	0.0117	5.5555	0.6500	0.3216	0.0717	0.1600	0.2230	0.4575	
26	34.32	0.06	0.0226	5.5555	0.0145	5.5555	0.6416	0.3604	0.0715	0.1816	0.1952	0.4556	
27	34.55	0.06	0.0302	5.5555	0.0165	5.5555	0.5596	0.3502	0.0724	0.1531	0.1856	0.4550	
28	34.82	0.06	0.0166	5.5555	0.0110	5.5555	0.6027	0.4119	0.0723	0.2033	0.1756	0.4937	
29	35.06	0.06	0.0211	5.5555	0.0150	5.5555	0.7109	0.4323	0.0731	0.2134	0.1691	0.4535	
30	35.30	0.06	0.0332	5.5555	0.0214	5.5555	0.6446	0.4302	0.0739	0.2120	0.1718	0.4527	
31	35.54	0.08	0.0333	5.5555	0.0202	5.5555	0.6066	0.4084	0.0738	0.2030	0.1857	0.4572	
32	35.78	0.06	0.0332	5.5555	0.0214	5.5555	0.6446	0.3547	0.0755	0.1581	0.1913	0.5020	
33	36.01	0.08	0.0377	5.5555	0.0242	5.5555	0.6419	0.3605	0.0771	0.1817	0.2137	0.5035	
34	36.23	0.05	0.0352	5.5555	0.0261	5.5555	0.6058	0.3798	0.0775	0.1902	0.2041	0.5009	
35	36.48	0.06	0.0423	5.5555	0.0281	5.5555	0.6659	0.4371	0.0773	0.2150	0.1765	0.4918	
36	36.73	0.05	0.0300	5.5555	0.0225	5.5555	0.7033	0.4553	0.0764	0.2258	0.1664	0.4516	
37	36.95	0.07	0.0314	5.5555	0.0248	5.5555	0.7698	0.4888	0.0763	0.2401	0.1561	0.4512	
38	37.19	0.06	0.0268	5.5555	0.0226	5.5555	0.8033	0.5213	0.0768	0.2599	0.1457	0.4525	
39	37.43	0.08	0.0314	5.5555	0.0248	5.5555	0.7898	0.5936	0.0756	0.2909	0.1277	0.4500	
40	37.65	0.06	0.0148	5.5555	0.0156	5.5555	1.0540	0.6059	0.0753	0.2581	0.1243	0.4919	
41	37.90	0.08	0.0314	5.5555	0.0230	5.5555	0.7516	0.6456	0.0756	0.3154	0.1171	0.4870	
42	38.14	0.06	0.0452	5.5555	0.0156	5.5555	1.0208	0.6473	0.0757	0.3178	0.1170	0.4410	
43	38.36	0.06	0.0086	5.5555	0.0145	5.5555	1.8860	0.6740	0.0742	0.3297	0.1101	0.4892	
44	38.60	0.05	0.0193	5.5555	0.0184	5.5555	0.9534	0.6908	0.0749	0.3343	0.1084	0.4835	
45	38.82	0.06	0.0101	5.5555	0.0155	5.5555	1.5743	0.6942	0.0753	0.3358	0.1085	0.4838	
46	39.04	0.04	0.0025	5.5555	0.0123	5.5555	4.9200	0.6942	0.0758	0.3369	0.1085	0.4820	

PAGE 3 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH X10-6				PHI		CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION
7 110 0.00 1.7				0.0		0.0		0.0		0	-30	0	-30	UNKNOWN
FLAT	ALPHA	BETA	CONF	CM3	Co3	XCPF3	YCPF3	CONF	CM4	Co4	XCPF4	YCPF4		
47	39.26	0.05	-0.0021	5.9999	0.0113	5.9999	-5.3509	0.7004	0.0765	0.3365	0.1093	0.4605		
48	39.47	0.04	0.0000	5.9999	0.0135	5.9999	1.0163	0.7023	0.0769	0.3375	0.1095	0.4606		
49	39.68	0.04	-0.0035	5.9999	0.0093	5.9999	-2.0571	0.6936	0.0770	0.3336	0.1111	0.4610		
50	39.89	0.04	-0.0050	5.9999	0.0080	5.9999	-1.7200	0.6985	0.0777	0.3347	0.1113	0.4792		
51	40.09	0.03	0.0000	5.9999	0.0151	5.9999	1.7556	0.6732	0.0757	0.3224	0.1184	0.4789		
52	40.28	0.03	0.0152	5.9999	0.0177	5.9999	0.9219	0.7006	0.0791	0.3355	0.1117	0.4741		
53	40.48	0.05	0.0237	5.9999	0.0155	5.9999	0.8597	0.6946	0.0793	0.3318	0.1142	0.4776		
54	40.70	0.06	0.0238	5.9999	0.0210	5.9999	0.8898	0.7129	0.0780	0.3375	0.1095	0.4735		
55	40.90	0.06	0.0232	5.9999	0.0222	5.9999	0.9407	0.7296	0.0783	0.3438	0.1073	0.4711		
56	41.13	0.06	0.0235	5.9999	0.0228	5.9999	0.9102	0.7303	0.0780	0.3440	0.1068	0.4711		
57	41.32	0.07	0.0174	5.9999	0.0205	5.9999	1.1762	0.7257	0.0791	0.3409	0.1084	0.4672		
58	41.53	0.07	0.0150	5.9999	0.0200	5.9999	1.0526	0.7302	0.0791	0.3453	0.1072	0.4678		
59	41.73	0.07	0.0004	5.9999	0.0162	5.9999	1.9266	0.6952	0.0757	0.3125	0.1089	0.4495		
60	41.92	0.06	0.0005	5.9999	0.0207	5.9999	1.0090	0.6912	0.0730	0.3074	0.1056	0.4447		
61	42.13	0.07	0.0205	5.9999	0.0207	5.9999	1.0096	0.6808	0.0705	0.2968	0.1036	0.4388		
62	42.29	0.05	0.0204	5.9999	0.0215	5.9999	1.0735	0.6826	0.0705	0.3002	0.1033	0.4357		
63	42.48	0.06	0.0204	5.9999	0.0215	5.9999	1.0735	0.6776	0.0700	0.2966	0.1033	0.4376		
64	42.68	0.05	0.0204	5.9999	0.0215	5.9999	1.0735	0.6645	0.0700	0.3005	0.1023	0.4395		
65	42.85	0.05	0.0204	5.9999	0.0207	5.9999	1.0147	0.6830	0.0709	0.3011	0.1031	0.4408		
66	43.01	0.04	0.0235	5.9999	0.0205	5.9999	0.8894	0.6931	0.0709	0.3063	0.1023	0.4419		
67	43.19	0.05	0.0245	5.9999	0.0228	5.9999	0.9157	0.6845	0.0701	0.3018	0.1024	0.4406		
68	43.40	0.04	0.0054	5.9999	0.0155	5.9999	2.9444	0.6823	0.0716	0.3006	0.1053	0.4405		
69	43.58	0.05	0.0204	5.9999	0.0207	5.9999	1.0147	0.6796	0.0704	0.2995	0.1036	0.4406		
70	43.72	0.05	0.0204	5.9999	0.0207	5.9999	1.0147	0.6610	0.0697	0.2983	0.1023	0.4376		
71	43.93	0.05	0.0115	5.9999	0.0164	5.9999	1.4261	0.6744	0.0760	0.2978	0.1048	0.4415		
72	44.10	0.05	0.0185	5.9999	0.0155	5.9999	1.0529	0.6856	0.0717	0.3021	0.1046	0.4404		
73	44.26	0.03	0.0205	5.9999	0.0201	5.9999	0.9805	0.6810	0.0725	0.2995	0.1065	0.4392		
74	44.47	0.05	0.0055	5.9999	0.0161	5.9999	1.8263	0.6799	0.0725	0.2985	0.1067	0.4390		
75	44.64	0.03	0.0144	5.9999	0.0202	5.9999	1.4326	0.6872	0.0716	0.3020	0.1042	0.4354		
76	44.82	0.04	0.0144	5.9999	0.0151	5.9999	1.3264	0.6881	0.0725	0.3027	0.1054	0.4398		
77	44.98	0.03	0.0144	5.9999	0.0203	5.9999	1.4097	0.7004	0.0718	0.3071	0.1023	0.4385		
78	45.18	0.04	0.0305	5.9999	0.0208	5.9999	0.9320	0.7040	0.0711	0.3060	0.1010	0.4346		
79	45.36	0.06	0.0160	5.9999	0.0217	5.9999	1.3562	0.7032	0.0716	0.3076	0.1018	0.4374		
80	45.54	0.05	0.0150	5.9999	0.0225	5.9999	1.1842	0.7117	0.0793	0.3247	0.1115	0.4562		
81	45.68	0.04	0.0174	5.9999	0.0230	5.9999	1.3216	0.6956	0.0725	0.3027	0.1042	0.4356		
82	45.86	0.05	0.0230	5.9999	0.0253	5.9999	1.0720	0.6901	0.0727	0.2990	0.1054	0.4332		
83	46.06	0.06	0.0266	5.9999	0.0280	5.9999	1.0526	0.6871	0.0744	0.2969	0.1083	0.4320		
84	46.24	0.07	0.0280	5.9999	0.0274	5.9999	1.0301	0.6840	0.0777	0.3043	0.1136	0.4448		
85	46.38	0.06	0.0266	5.9999	0.0281	5.9999	1.0564	0.6954	0.0787	0.3070	0.1132	0.4415		
86	46.57	0.07	0.0266	5.9999	0.0267	5.9999	1.0769	0.6894	0.0775	0.3162	0.1131	0.4613		
87	46.75	0.07	0.0221	5.9999	0.0266	5.9999	1.2036	0.6958	0.0761	0.3207	0.1088	0.4583		
88	46.92	0.07	0.0344	5.9999	0.0318	5.9999	0.9244	0.6829	0.0785	0.3154	0.1150	0.4618		
89	47.08	0.07	0.0251	5.9999	0.0287	5.9999	1.1434	0.6907	0.0766	0.3163	0.1109	0.4575		
90	47.25	0.07	0.0267	5.9999	0.0280	5.9999	1.0760	0.6761	0.0780	0.3097	0.1154	0.4580		
91	47.45	0.05	0.0236	5.9999	0.0260	5.9999	1.1864	0.6660	0.0776	0.3089	0.1166	0.4638		
92	47.62	0.05	0.0314	5.9999	0.0335	5.9999	0.9064	0.6444	0.0792	0.3030	0.1230	0.4702		

PAGE 3 OF 3
SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART			WACF RATIO=6		PHI	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7			110 0.00 1.7		C.C. 0.00 15 C.C.		0	-30	0	-30	UNKNOWN	
FCINT	ALPHA	BETA	CONF2	CONF3	CONF4	XCONF3	YCONF3	CONF4	CONF5	CONF6	XCONF4	YCONF4
93	47.78	0.09	0.0329	0.0329	0.0318	0.0329	0.0329	0.0313	0.0788	0.2978	0.1237	0.4672
94	47.90	0.09	0.0355	0.0355	0.0338	0.0355	0.0355	0.0355	0.0788	0.2957	0.1240	0.4653
95	48.13	0.08	0.0344	0.0344	0.0331	0.0344	0.0344	0.0357	0.0785	0.2963	0.1235	0.4661
96	48.30	0.08	0.0329	0.0329	0.0318	0.0329	0.0329	0.0374	0.0785	0.2978	0.1232	0.4672
97	48.47	0.08	0.0352	0.0355	0.0327	0.0355	1.1359	0.6175	0.0793	0.2900	0.1284	0.4693
98	48.62	0.07	0.0267	0.0355	0.0382	0.0355	1.0362	0.6203	0.0789	0.2890	0.1272	0.4659
99	48.81	0.07	0.0252	0.0355	0.0381	0.0355	1.1151	0.6291	0.0785	0.2916	0.1248	0.4635
100	48.98	0.07	0.0262	0.0355	0.0395	0.0399	1.0461	0.6236	0.0789	0.2893	0.1265	0.4637
101	49.15	0.08	0.0252	0.0355	0.0365	0.0355	1.0675	0.6394	0.0788	0.2943	0.1233	0.4602
102	49.32	0.06	0.0237	0.0355	0.0361	0.0355	1.1013	0.6535	0.0783	0.2947	0.1195	0.4586
103	49.51	0.07	0.0206	0.0355	0.0356	0.0355	1.2524	0.6588	0.0754	0.2988	0.1145	0.4552
104	49.69	0.07	0.0227	0.0355	0.0361	0.0355	1.1013	0.6574	0.0783	0.3009	0.1151	0.4577
105	49.84	0.07	0.0252	0.0355	0.0368	0.0355	1.0635	0.6716	0.0775	0.3037	0.1154	0.4521
106	50.01	0.06	0.0236	0.0355	0.0373	0.0355	1.1508	0.6861	0.0796	0.3064	0.1161	0.4465
107	50.19	0.06	0.0236	0.0355	0.0380	0.0355	1.1017	0.6837	0.0784	0.3107	0.1147	0.4544
108	50.34	0.04	0.0175	0.0355	0.0331	0.0355	1.3200	0.6822	0.0846	0.3032	0.1241	0.4444
109	50.51	0.04	0.0206	0.0355	0.0346	0.0355	1.1942	0.7032	0.0811	0.3177	0.1154	0.4518
110	50.67	0.04	0.0120	0.0355	0.0304	0.0355	1.5692	0.7257	0.0808	0.3212	0.1114	0.4426
111	50.85	0.04	0.0175	0.0355	0.0331	0.0355	1.3200	0.6833	0.0835	0.3123	0.1222	0.4570
112	51.01	0.03	0.0145	0.0355	0.0317	0.0355	1.4465	0.6735	0.0823	0.3062	0.1222	0.4576
113	51.19	0.04	0.0115	0.0355	0.0350	0.0355	1.5522	0.6671	0.0812	0.3031	0.1218	0.4543
114	51.36	0.03	0.0252	0.0355	0.0355	0.0355	1.0119	0.6649	0.0789	0.3025	0.1187	0.4549
115	51.54	0.05	0.0252	0.0355	0.0355	0.0355	1.0119	0.6490	0.0797	0.2983	0.1225	0.4598
116	51.71	0.06	0.0176	0.0355	0.0307	0.0355	1.1701	0.6591	0.0765	0.2975	0.1161	0.4515
117	51.89	0.03	0.0161	0.0355	0.0305	0.0355	1.2733	0.6743	0.0744	0.3014	0.1104	0.4469
118	52.05	0.05	0.0176	0.0355	0.0323	0.0355	1.2102	0.6549	0.0753	0.2938	0.1150	0.4486
119	52.23	0.05	0.0206	0.0355	0.0327	0.0355	1.1319	0.6518	0.0747	0.2922	0.1148	0.4482
120	52.40	0.07	0.0176	0.0355	0.0361	0.0355	1.1420	0.6736	0.0759	0.3025	0.1127	0.4496
121	52.57	0.08	0.0146	0.0355	0.0380	0.0355	1.2325	0.6615	0.0762	0.3008	0.1152	0.4547
122	52.73	0.07	0.0146	0.0355	0.0381	0.0355	1.2313	0.6508	0.0776	0.2960	0.1182	0.4566
123	52.91	0.07	0.0206	0.0355	0.0397	0.0355	0.9671	0.6556	0.0767	0.2977	0.1170	0.4540
124	53.07	0.10	0.0115	0.0355	0.0384	0.0355	1.0300	0.6404	0.0760	0.2920	0.1187	0.4556
125	53.24	0.08	0.0207	0.0355	0.0315	0.0355	1.0386	0.6440	0.0758	0.2928	0.1177	0.4546
126	53.41	0.05	0.0206	0.0355	0.0335	0.0355	0.8918	0.6252	0.0778	0.2677	0.1245	0.4601
127	53.58	0.08	0.0147	0.0355	0.0381	0.0355	1.2313	0.6194	0.0756	0.2837	0.1221	0.4581
128	53.75	0.10	0.0253	0.0355	0.0336	0.0355	0.9407	0.6305	0.0763	0.2984	0.1204	0.4587
129	53.89	0.09	0.0228	0.0355	0.0337	0.0355	0.9998	0.6628	0.0778	0.3023	0.1174	0.4583
130	54.06	0.10	0.0254	0.0355	0.0345	0.0355	0.9646	0.6777	0.0760	0.3090	0.1151	0.4559
131	54.22	0.05	0.0224	0.0355	0.0318	0.0355	0.9732	0.6780	0.0772	0.3051	0.1139	0.4499
132	54.37	0.07	0.0240	0.0355	0.0326	0.0355	0.9417	0.6734	0.0752	0.3045	0.1117	0.4527
133	54.56	0.05	0.0205	0.0355	0.0324	0.0355	1.0718	0.6754	0.0747	0.3069	0.1106	0.4543
134	54.73	0.08	0.0254	0.0355	0.0356	0.0355	1.0157	0.6763	0.0748	0.3082	0.1103	0.4542
135	54.88	0.08	0.0240	0.0355	0.0335	0.0355	0.9998	0.6730	0.0712	0.3043	0.1098	0.4524
136	55.06	0.08	0.0271	0.0355	0.0354	0.0355	0.9473	0.6610	0.0738	0.3134	0.1068	0.4535
137	55.19	0.07	0.0205	0.0355	0.0345	0.0355	1.1627	0.6695	0.0738	0.3041	0.1102	0.4535
138	55.35	0.07	0.0175	0.0355	0.0316	0.0355	1.2067	0.6728	0.0708	0.3062	0.1052	0.4551

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH X10 ⁻⁶		PHI	CNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		110 C.C. 1-7		C.C. 816CF15	C.C.	C.C.	0	-30	0	-30	UNKNOWN	
PLANT	ALPHA	BETA	CNF3	CH3	CH3	XCFF3	YCFF3	CNF4	CH4	CH4	XCFF4	YCFF4
139	55.50	0.06	0.0241	5.5555	0.0240	5.5555	0.9555	0.6600	0.0683	0.3016	0.1035	0.4565
140	55.80	0.07	0.0271	5.5555	0.0267	5.5555	0.9552	0.6672	0.0727	0.3114	0.1058	0.4538
141	55.83	0.07	0.0256	5.5555	0.0260	5.5555	1.0156	0.6716	0.0682	0.3043	0.1015	0.4528
142	55.59	0.06	0.0273	5.5555	0.0243	5.5555	0.8901	0.6670	0.0733	0.3127	0.1067	0.4551
143	56.14	0.07	0.0257	5.5555	0.0247	5.5555	0.9611	0.6816	0.0735	0.3136	0.1079	0.4600
144	56.29	0.07	0.0242	5.5555	0.0228	5.5555	0.9421	0.6926	0.0725	0.3175	0.1047	0.4583
145	56.48	0.05	0.0271	5.5555	0.0267	5.5555	0.9352	0.6667	0.0736	0.3140	0.1075	0.4572
146	56.82	0.06	0.0314	5.5555	0.0265	5.5555	0.8307	0.6638	0.0727	0.3163	0.1063	0.4625
147	56.79	0.07	0.0256	5.5555	0.0253	5.5555	0.9383	0.6607	0.0693	0.3150	0.1018	0.4627
148	56.55	0.06	0.0303	5.5555	0.0250	5.5555	0.8251	0.6641	0.0736	0.3174	0.1079	0.4635
149	57.10	0.05	0.0271	5.5555	0.0242	5.5555	0.9930	0.6988	0.0725	0.3228	0.1038	0.4620
150	57.26	0.06	0.0210	5.5555	0.0212	5.5555	1.0095	0.6839	0.0715	0.3172	0.1046	0.4638
151	57.40	0.06	0.0239	5.5555	0.0238	5.5555	0.9958	0.6946	0.0717	0.3220	0.1033	0.4636
152	57.54	0.06	0.0148	5.5555	0.0182	5.5555	1.2257	0.6733	0.0686	0.3103	0.1019	0.4608
153	57.71	0.05	0.0205	5.5555	0.0224	5.5555	1.0718	0.6841	0.0680	0.3155	0.0994	0.4611
154	57.83	0.04	0.0205	5.5555	0.0204	5.5555	0.9614	0.6659	0.0651	0.3134	0.0945	0.4565
155	58.00	0.04	0.0206	5.5555	0.0246	5.5555	1.1942	0.6906	0.0636	0.3164	0.0921	0.4588
156	58.14	0.04	0.0055	5.5555	0.0102	5.5555	2.9454	0.6823	0.0633	0.3138	0.0928	0.4595

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF RATIO-6 7 111 C.O. 1.7				PH ₁ CONF C.O. 0.15	L C.O.	DEL1 0	DEL2 -30	DEL3 0	DEL4 -30	TRANSITION UNKNOWN		
FCENT	ALPHA	BETA	CLN	CLM	CLY	CLN	CLL	CA	CAB	CAF	XCP	
1	-5.74	-0.00	-1.0039	5.5475	0.0348	0.0046	-0.0039	1.1557	0.4224	0.7333	-3.4587	
2	-5.75	-0.01	-1.6146	5.5655	0.0175	-0.0064	0.0025	1.1576	0.4224	0.7352	-3.4555	
3	-5.75	-0.01	-1.6384	5.5345	0.0765	-0.1863	0.0027	1.1655	0.4244	0.7411	-3.4389	
4	-5.76	-0.02	-1.5867	5.5943	0.0175	-0.0064	0.0027	1.1724	0.4246	0.7516	-3.5257	
5	-3.84	-0.02	-1.5825	6.140E	-0.0252	0.0430	-0.0031	1.1399	0.3638	0.7761	-3.8804	
6	-2.10	-0.01	-1.5256	6.4551	0.1126	-0.0335	0.0024	1.1035	0.2541	0.6094	-4.2227	
7	-0.31	-0.02	-1.421E	6.4153	-0.0222	-0.0506	0.0043	1.0740	0.2679	0.8060	-4.5148	
8	1.46	-0.00	-1.4056	6.8018	0.1431	-0.1726	-0.0016	1.0733	0.2535	0.8197	-4.6252	
9	3.33	-0.01	-1.4121	7.4177	0.0741	-0.1547	0.0060	1.0645	0.2103	0.8542	-5.2528	
10	5.01	-0.01	-1.2225	7.2010	0.0741	-0.1548	0.0127	1.0043	0.1883	0.8160	-5.8902	
11	6.82	-0.01	-1.02E3	6.514E	0.1207	-0.2533	0.0158	0.5468	0.1794	0.7674	-6.7243	
12	8.57	-0.01	-0.7526	6.2650	0.0603	-0.2641	0.0135	0.6671	0.1741	0.6930	-6.3224	
13	10.35	-0.01	-0.4515	5.6102	0.0653	-0.1331	0.0202	0.7869	0.1717	0.6152	-12.4248	
14	12.17	-0.02	-0.0626	4.8142	0.0272	-0.1605	0.0206	0.7046	0.1702	0.5346	-51.5626	
15	13.96	-0.02	0.2558	4.1103	-0.0622	0.0376	0.0147	0.6261	0.1763	0.4516	16.0682	
16	15.85	-0.02	0.2146	3.3833	-0.0652	0.1696	0.0214	0.5461	0.1831	0.3650	5.5048	
17	17.74	-0.02	0.3700	2.7257	-0.0475	0.1530	0.0157	0.4748	0.1676	0.2672	2.5130	
18	19.58	-0.03	1.3511	2.1507	-0.2657	0.4535	0.0330	0.4008	0.1972	0.2114	1.6214	
19	21.45	-0.03	1.6752	1.8255	-0.2605	0.8124	0.0217	0.3418	0.2052	0.1368	1.0900	
20	23.33	-0.03	1.9650	1.6364	-0.3727	1.3559	0.0004	0.2991	0.2193	0.0797	0.8244	
21	25.17	-0.03	2.3054	1.6537	-0.2762	0.6583	0.0177	0.2600	0.2254	0.0346	0.7173	
22	27.10	-0.01	2.7879	1.5114	-0.0288	0.3698	0.0277	0.2009	0.2184	-0.0175	0.5780	
23	28.20	-0.02	2.9525	1.5148	-0.1213	0.5756	0.0150	0.1717	0.2221	-0.0504	0.5128	
24	28.28	-0.01	2.9734	1.5011	0.3176	-0.5578	0.0804	0.1857	0.2201	-0.0544	0.5048	
25	28.66	0.03	3.0526	1.6050	0.5257	-0.8628	0.0690	0.1604	0.2220	-0.0616	0.5258	
26	28.98	0.03	3.1405	1.5055	0.3446	-1.0438	0.1010	0.1519	0.2244	-0.0730	0.4794	
27	29.27	0.04	3.3173	1.5154	0.6616	-1.2106	0.1207	0.1297	0.2261	-0.0965	0.4580	
28	29.58	0.02	3.3131	1.5737	0.3945	-0.5696	0.0821	0.1299	0.2273	-0.0575	0.4756	
29	29.87	0.05	3.3544	1.5880	0.7356	-0.9112	0.0956	0.1245	0.2285	-0.1041	0.4672	
30	30.15	0.05	3.5144	1.5011	0.7355	-0.9337	0.1088	0.1105	0.2325	-0.1221	0.4269	
31	30.40	0.05	3.5752	1.4608	0.7403	-0.9239	0.1216	0.1066	0.2370	-0.1305	0.4137	
32	30.70	0.05	3.7606	1.5635	0.6522	-0.4156	0.1066	0.0880	0.2362	-0.1462	0.4212	
33	30.96	0.05	3.8456	1.5150	0.7775	-0.5717	0.1280	0.0873	0.2435	-0.1556	0.3936	
34	31.24	0.06	3.8782	1.5655	0.7052	-0.4144	0.1215	0.0730	0.2431	-0.1701	0.4088	
35	31.52	0.05	4.0050	1.5455	0.6155	-0.0705	0.1082	0.0670	0.2431	-0.1781	0.3855	
36	31.79	0.04	4.1114	1.4578	0.4508	0.0511	0.1082	0.0614	0.2475	-0.1801	0.3643	
37	32.07	0.06	4.2270	1.6212	0.7730	-0.3588	0.1290	0.0555	0.2475	-0.1920	0.3835	
38	32.34	0.06	4.3071	1.6520	0.7334	-0.3552	0.1294	0.0449	0.2463	-0.1984	0.3835	
39	32.59	0.06	4.3329	1.6927	0.7783	-0.3602	0.1241	0.0387	0.2431	-0.2044	0.4368	
40	32.87	0.05	4.4540	1.6346	0.6030	-0.0611	0.1107	0.0189	0.2487	-0.2298	0.4037	
41	33.13	0.05	4.5006	1.9312	0.5625	0.0398	0.0915	0.0055	0.2418	-0.2363	0.4235	
42	33.38	0.05	4.6410	2.1516	0.6054	-0.4335	0.1014	-0.0054	0.2357	-0.2411	0.4722	
43	33.61	0.05	4.6655	2.0644	0.7336	-0.8164	0.1013	-0.0107	0.2410	-0.2517	0.4421	
44	33.87	0.06	4.8160	2.3537	0.6028	-1.4441	0.0841	-0.0219	0.2365	-0.2586	0.4887	
45	34.13	0.04	4.8283	2.3920	0.6526	-1.3517	0.0777	-0.0269	0.2394	-0.2663	0.4954	
46	34.35	0.04	5.0312	2.5645	0.5945	-1.2210	0.0710	-0.0376	0.2398	-0.2776	0.5138	

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	BACK RATIO-E	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	111 G-50 1.7	U.0	BLIND-15	G.C	U	-50	U	-50	UNKNOWN		
POINT	ALPHA	BETA	CN	CLM	CY	CLM	CLL	CA	CAB	CAF	XCP
47	34.62	0.05	5.1035	2.5300	0.6187	-1.0787	0.0785	-0.0553	0.2418	-0.2972	0.4957
48	34.89	0.03	5.2356	2.7504	0.3705	-0.6778	0.0767	-0.0644	0.2382	-0.3027	0.5325
49	35.12	0.03	5.2026	2.6547	0.4460	-0.6553	0.0765	-0.0589	0.2402	-0.2972	0.5169
50	35.36	0.02	5.3331	2.7512	0.258E	-0.6083	0.0727	-0.0619	0.2361	-0.3181	0.5139
51	35.55	0.01	5.4261	2.5704	0.2403	-0.3607	0.0677	-0.0622	0.2313	-0.3236	0.5364
52	35.84	0.01	5.5022	2.5004	0.0290	-0.1792	0.0221	-0.0669	0.2313	-0.3282	0.5422
53	36.08	0.01	5.5583	2.5754	-0.0407	-0.1755	0.0034	-0.1111	0.2309	-0.3420	0.5322
54	36.31	0.01	5.7022	2.5542	-0.1403	0.0696	-0.0103	-0.1300	0.2309	-0.3609	0.5106
55	36.55	0.03	5.7768	3.1012	-0.2512	0.5651	-0.0094	-0.1327	0.2296	-0.3623	0.5369
56	36.79	0.01	5.8545	3.0555	-0.1696	0.7346	0.0025	-0.1442	0.2264	-0.3706	0.5219
57	37.02	0.02	5.9702	3.2104	-0.2805	0.7591	-0.0032	-0.1529	0.2264	-0.3793	0.5377
58	37.29	0.00	6.0462	3.1754	-0.0577	1.0062	-0.0104	-0.1542	0.2273	-0.3815	0.5257
59	37.52	0.01	6.1354	3.1135	-0.2138	1.0723	-0.0039	-0.1761	0.2272	-0.4033	0.5075
60	37.74	0.03	6.1649	3.1243	-0.3135	0.9312	-0.0154	-0.1721	0.2248	-0.3969	0.5052
61	38.01	0.00	6.3415	3.2287	-0.0562	0.7786	0.0166	-0.1868	0.2244	-0.4112	0.5091
62	38.24	0.00	6.3649	3.1044	0.0128	0.6366	0.0226	-0.1867	0.2272	-0.4159	0.4862
63	38.47	0.00	6.5149	3.0336	-0.0685	0.7998	0.0609	-0.2008	0.2317	-0.4405	0.4657
64	38.72	0.00	6.6067	3.1505	-0.1053	1.1264	0.0350	-0.2134	0.2260	-0.4402	0.4773
65	38.93	0.00	6.5660	3.0135	-0.0602	0.5745	0.0229	-0.2258	0.2236	-0.4494	0.4576
66	39.14	0.01	6.7771	3.0413	-0.2240	1.3555	0.0097	-0.2406	0.2256	-0.4742	0.4497
67	39.40	0.01	6.8046	3.0863	-0.2743	1.7222	0.0212	-0.2313	0.2309	-0.4622	0.4535
68	39.61	0.03	6.8542	3.1136	-0.4771	1.6336	-0.0028	-0.2429	0.2280	-0.4769	0.4543
69	39.61	0.00	6.9403	2.9361	-0.2042	1.8012	0.0399	-0.2583	0.2374	-0.4754	0.4231
70	40.05	0.04	7.0783	3.0774	-0.3524	1.9642	-0.0033	-0.2605	0.2345	-0.4951	0.4348
71	40.26	0.01	7.1736	3.0773	-0.3127	2.0277	0.0090	-0.2569	0.2390	-0.4960	0.4250
72	40.46	0.05	7.2351	3.1377	-0.7204	2.2043	-0.0093	-0.2670	0.2317	-0.5014	0.4334
73	40.65	0.03	7.2371	3.1354	-0.4685	2.0852	-0.0094	-0.2613	0.2313	-0.4924	0.4338
74	40.85	0.05	7.3466	3.0347	-0.6122	2.0572	-0.0066	-0.2739	0.2325	-0.5065	0.4136
75	41.08	0.04	7.3551	3.204E	-0.5460	1.8337	-0.0265	-0.2796	0.2317	-0.5114	0.4333
76	41.27	0.05	7.4544	3.0805	-0.5080	2.2006	-0.0025	-0.2675	0.2378	-0.5054	0.4132
77	41.50	0.03	7.5637	3.0648	-0.3740	1.8815	-0.0256	-0.3012	0.2325	-0.5337	0.4052
78	41.72	0.04	7.5631	3.0874	-0.3510	0.9502	-0.0345	-0.3078	0.2245	-0.5327	0.4071
79	41.91	0.03	7.6611	2.9520	-0.3855	1.6602	0.0003	-0.3086	0.2415	-0.5501	0.3905
80	42.12	0.05	7.7322	3.0222	-0.5100	1.5718	-0.0360	-0.3057	0.2325	-0.5382	0.3913
81	42.31	0.06	7.7635	3.0556	-0.2780	0.8844	-0.0023	-0.3202	0.2261	-0.5463	0.3936
82	42.50	0.02	7.8634	2.9740	-0.1412	1.4626	0.0080	-0.3341	0.2313	-0.5654	0.3773
83	42.68	0.00	7.9257	3.1231	-0.0585	0.9580	-0.0027	-0.3199	0.2297	-0.5456	0.3938
84	42.87	0.01	7.9646	3.1147	0.0060	0.4390	0.0248	-0.3211	0.2261	-0.5472	0.3911
85	43.05	0.05	8.1716	3.1073	-0.3850	1.3564	-0.0026	-0.3336	0.2361	-0.5757	0.3831
86	43.23	0.03	8.1695	2.9071	-0.0541	0.8016	0.0174	-0.3556	0.2269	-0.5825	0.3656
87	43.40	0.04	8.1683	3.0207	-0.2812	1.0336	0.0112	-0.3408	0.2310	-0.5718	0.3658
88	43.61	0.03	8.3365	2.9966	-0.2476	1.4375	0.0226	-0.3447	0.2342	-0.5789	0.3600
89	43.76	0.03	8.3233	2.9848	-0.2324	1.7364	0.0214	-0.3416	0.2410	-0.5826	0.3584
90	43.94	0.03	8.4035	2.8442	-0.0885	0.3724	0.0074	-0.3604	0.2322	-0.5986	0.3385
91	44.13	0.03	8.4662	2.7553	-0.2442	1.2347	-0.0324	-0.3544	0.2398	-0.5942	0.3302
92	44.30	0.02	8.5956	2.9362	0.1031	0.2360	0.0039	-0.3575	0.2334	-0.5905	0.3416

PAGE 1 OF 3
SHEET 3 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH NO. 1.7			PHI CONF		C		CEL1	CEL2	CEL3	CEL4	TRANSITION	
7 ALL C.50 1.7			C.C B100P15		O.C		U	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CA	CLM	CV	CLM	CLL	CA	CAB	CAF	XCP	
93	44.49	-0.05	8.5961	2.3663	-0.2614	0.3339	-0.0097	-0.3745	0.2390	-0.6135	0.3334	
94	44.70	-0.04	8.7017	2.0688	-0.1400	1.0055	-0.0057	-0.3757	0.2430	-0.6155	0.3069	
95	44.87	-0.01	8.7704	2.8503	0.3870	-0.7706	0.0431	-0.3936	0.2402	-0.6336	0.3250	
96	45.08	-0.07	8.8601	2.0143	-0.5210	1.0194	-0.0438	-0.3961	0.2471	-0.6432	0.2911	
97	45.24	-0.07	8.9162	2.7100	-0.5404	1.6622	-0.0320	-0.3577	0.2572	-0.6149	0.3039	
98	45.43	-0.05	9.0253	2.7475	-0.2502	1.3802	-0.0304	-0.3819	0.2443	-0.6282	0.3044	
99	45.60	-0.05	9.0720	2.8550	-0.1388	0.1287	-0.0112	-0.3857	0.2358	-0.6255	0.3182	
100	45.80	-0.05	9.2446	2.0780	-0.3110	2.1345	-0.0329	-0.3836	0.2515	-0.6351	0.2895	
101	45.97	-0.05	9.1573	2.6314	-0.1651	1.4624	-0.0495	-0.3991	0.2443	-0.6454	0.2861	
102	46.14	-0.03	9.3025	2.1026	0.0612	0.7530	-0.0278	-0.3981	0.2407	-0.6448	0.2867	
103	46.32	-0.06	9.3230	2.7535	-0.3288	1.3827	-0.0256	-0.3962	0.2458	-0.6440	0.2997	
104	46.50	-0.04	9.4410	2.7052	-0.1243	0.9784	-0.0280	-0.4112	0.2430	-0.6602	0.2929	
105	46.65	-0.03	9.4243	2.7030	-0.1225	0.3538	0.0115	-0.4090	0.2470	-0.6580	0.2932	
106	46.84	-0.03	9.4407	2.7944	0.6506	0.1301	0.0200	-0.4102	0.2483	-0.6565	0.2957	
107	47.02	-0.02	9.5830	2.7520	0.2540	0.3523	0.0057	-0.4208	0.2487	-0.6655	0.2914	
108	47.19	-0.04	9.6335	2.7043	-0.0025	1.0000	-0.0151	-0.4310	0.2533	-0.6820	0.2890	
109	47.36	-0.03	9.6469	2.8203	-0.1159	0.7520	-0.0046	-0.4208	0.2490	-0.6779	0.2924	
110	47.55	-0.04	9.7777	2.0251	0.1004	0.1734	0.0137	-0.4120	0.2044	-0.6745	0.2893	
111	47.72	-0.04	9.8379	2.7020	-0.0150	1.3011	-0.0154	-0.4157	0.2559	-0.6757	0.2748	
112	47.89	-0.06	9.8704	2.0311	-0.1590	1.3204	-0.0152	-0.4449	0.2504	-0.7084	0.2886	
113	48.07	-0.04	9.9827	2.5450	-0.0201	1.4707	-0.0156	-0.4337	0.2705	-0.7043	0.2550	
114	48.24	-0.05	10.0000	2.5136	-0.1417	2.1015	-0.0156	-0.4299	0.2741	-0.7041	0.2551	
115	48.42	-0.03	10.2146	2.1015	-0.1113	2.8122	-0.0764	-0.4239	0.3017	-0.7256	0.2136	
116	48.60	-0.04	10.2512	2.5019	-0.1744	2.0682	-0.0418	-0.4429	0.2798	-0.7228	0.2439	
117	48.75	-0.00	10.3058	2.2807	-0.1563	2.6083	-0.0893	-0.3986	0.2506	-0.6896	0.2220	
118	48.94	-0.02	10.4815	2.0905	-0.0114	2.4237	-0.0677	-0.4106	0.3114	-0.7220	0.2002	
119	49.13	-0.00	10.7232	1.3175	0.2025	2.4631	-0.0679	-0.4239	0.3504	-0.7743	0.1225	
120	49.24	-0.04	10.7440	1.5101	-0.1020	2.4306	-0.0732	-0.4426	0.3363	-0.7751	0.1413	
121	49.47	0.01	10.8952	1.0462	0.5280	1.8749	-0.0608	-0.4227	0.3406	-0.7693	0.0960	
122	49.64	0.01	11.0167	0.4275	0.4747	2.1136	-0.0541	-0.4074	0.3032	-0.7706	0.0388	
123	49.84	0.00	11.2224	0.0324	0.8433	2.0500	-0.0572	-0.3536	0.3509	-0.7445	0.0029	
124	50.02	0.03	11.3244	0.0715	0.7045	2.0094	-0.0570	-0.3800	0.4113	-0.7573	0.0063	
125	50.19	0.05	11.5031	-0.0053	0.8701	1.8744	-0.0151	-0.3590	0.3627	-0.7617	-0.0078	
126	50.38	0.02	11.5432	-0.0041	0.8476	1.1250	0.0135	-0.4177	0.3034	-0.7611	-0.0004	
127	50.54	0.05	11.5526	-0.0275	0.9428	1.2214	-0.0124	-0.3945	0.3668	-0.7611	0.0024	
128	50.73	0.07	11.6066	-0.0267	1.1275	1.5160	-0.0030	-0.4072	0.3616	-0.7688	-0.0530	
129	50.89	0.04	11.7719	-0.0368	0.7063	1.4000	0.0002	-0.4085	0.3816	-0.7961	-0.0311	
130	51.06	0.04	11.9334	-0.0700	0.6467	1.5505	-0.0127	-0.4005	0.3846	-0.7845	-0.0566	
131	51.20	0.04	12.3262	-1.7685	0.8566	2.3733	-0.0270	-0.3647	0.4077	-0.7724	-0.1189	
132	51.40	0.06	12.0213	-1.1471	0.5460	1.4658	-0.0134	-0.3670	0.4009	-0.7759	-0.0639	
133	51.59	0.01	12.0013	-1.8554	0.4208	2.3789	-0.0382	-0.3644	0.4124	-0.7768	-0.1472	
134	51.74	0.04	13.0248	-2.0108	0.6100	2.3743	-0.0372	-0.3341	0.4305	-0.7756	-0.1773	
135	51.97	0.04	13.1042	-2.3677	0.8171	1.9173	-0.0108	-0.3354	0.4530	-0.7884	-0.1807	
136	52.13	0.07	13.1000	-2.2751	0.4485	2.0839	-0.0117	-0.3084	0.4609	-0.7898	-0.1740	
137	52.30	0.06	13.0583	-2.3326	1.0164	1.9509	0.0011	-0.3127	0.4541	-0.7868	-0.1766	
138	52.47	0.07	13.2031	-2.4606	1.0813	1.8676	0.0151	-0.3308	0.4670	-0.7978	-0.1855	

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF RATIO PHI CONF L CEL1 DELZ CEL3 DEL4 TRANSITION											
7	111	0.50	1.7	0.0	0.10	0.15	0.0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CA	CLM	CV	CLN	CLL	CA	CAH	CAF	XCP
139	52.85	0.06	13.2451	-2.3315	0.5654	1.9579	0.0205	-0.3000	0.4733	-0.7739	-0.1737
140	52.80	0.06	13.3164	-2.3314	1.1325	1.5079	-0.0043	-0.2440	0.4400	-0.7983	-0.1901
141	52.57	0.06	13.3643	-2.3665	1.1010	1.6043	0.0324	-0.3274	0.4553	-0.8226	-0.1920
142	53.14	0.10	13.3411	-2.3075	1.2576	1.8802	0.0142	-0.2470	0.4844	-0.7826	-0.1925
143	53.29	0.06	13.2765	-2.4105	1.1625	1.7061	0.0150	-0.2822	0.4800	-0.7623	-0.1815
144	53.40	0.08	13.4460	-2.4751	1.0010	1.6705	0.0220	-0.3176	0.4805	-0.8040	-0.1844
145	53.62	0.08	13.3570	-2.3307	1.1351	1.4091	0.0228	-0.2900	0.4805	-0.7764	-0.1745
146	53.79	0.07	13.2133	-2.3360	1.0375	1.5404	0.0221	-0.2445	0.4402	-0.7900	-0.1802
147	53.95	0.06	13.4256	-2.5472	1.0041	1.4431	0.0108	-0.3068	0.4941	-0.8028	-0.1897
148	54.10	0.07	13.4131	-2.5646	1.0000	1.4246	0.0230	-0.3201	0.4885	-0.8085	-0.1912
149	54.27	0.07	13.5722	-2.5002	1.0645	1.3488	0.0258	-0.3286	0.4933	-0.8216	-0.1891
150	54.43	0.06	13.5607	-2.0353	0.6140	1.1434	0.0180	-0.3258	0.5005	-0.8262	-0.1939
151	54.50	0.04	13.4738	-2.4236	0.7220	1.3407	0.0300	-0.3151	0.5001	-0.8151	-0.1843
152	54.73	0.07	13.4260	-2.4073	1.0341	1.0522	0.0371	-0.3237	0.5025	-0.8261	-0.1836
153	54.84	0.05	13.6070	-2.5072	0.7567	1.3305	0.0432	-0.3117	0.5041	-0.8157	-0.1901
154	55.03	0.00	13.5400	-2.0200	0.5030	1.0575	0.0437	-0.3155	0.5001	-0.8159	-0.1941
155	55.18	0.02	13.4475	-2.4335	0.5473	1.0014	0.0300	-0.2834	0.4997	-0.7831	-0.1803
156	55.35	0.07	13.6431	-2.3040	1.0558	0.5602	0.0500	-0.3300	0.5133	-0.8238	-0.1747
157	55.50	0.03	13.6408	-2.5123	0.7760	0.8835	0.0453	-0.3008	0.5105	-0.8172	-0.1842
158	55.65	0.05	13.5541	-2.2200	1.3320	0.5540	0.0747	-0.3388	0.5073	-0.8460	-0.1642
159	55.79	0.00	13.5617	-2.1971	1.0243	0.6492	0.0657	-0.3124	0.5065	-0.8143	-0.1620
160	55.97	0.03	13.6674	-2.1505	0.6010	1.0624	0.0761	-0.2874	0.5101	-0.7975	-0.1578
161	56.13	0.08	13.5601	-2.1338	1.1456	0.9123	0.0754	-0.3180	0.5109	-0.8288	-0.1574
162	56.28	0.05	13.6551	-2.0413	0.8444	1.1700	0.0755	-0.3101	0.5189	-0.8289	-0.1531
163	56.43	0.04	13.7225	-2.2720	0.7655	1.1170	0.0573	-0.3042	0.5245	-0.8286	-0.1656
164	56.59	-0.01	13.6750	-2.0251	0.4444	1.4036	0.0507	-0.3000	0.5205	-0.8210	-0.1480
165	56.75	-0.01	13.7747	-2.1285	0.5471	1.2556	0.0699	-0.3169	0.5285	-0.8473	-0.1589
166	56.80	0.02	13.6535	-2.1220	0.5990	1.2735	0.0570	-0.3102	0.5257	-0.8398	-0.1555
167	57.05	-0.01	13.8153	-2.1428	0.4043	1.2819	0.0517	-0.3135	0.5345	-0.8479	-0.1551
168	57.19	0.02	13.7213	-2.1502	0.5032	1.1594	0.0514	-0.2793	0.5376	-0.8165	-0.1573
169	57.35	-0.00	13.7551	-2.1247	0.3530	1.0682	0.0526	-0.3058	0.5340	-0.8397	-0.1540
170	57.50	0.01	13.7829	-1.7359	0.4411	1.1670	0.0522	-0.3180	0.5401	-0.8586	-0.1259
171	57.64	-0.00	13.8145	-1.5544	0.4347	1.1293	0.0463	-0.2924	0.5466	-0.8391	-0.1447
172	57.80	-0.01	13.8000	-1.2457	0.3480	0.9503	0.0540	-0.3541	0.5345	-0.8040	-0.0902
173	57.93	-0.07	13.8104	-1.1451	0.0287	-0.1795	0.0524	-0.3731	0.5145	-0.8876	-0.0829
174	58.06	-0.07	13.8207	-1.0504	-0.0105	-0.5246	0.0540	-0.3415	0.5047	-0.8462	-0.0760
175	58.21	-0.11	13.8702	-1.6852	-0.3676	-1.1010	0.0402	-0.3622	0.5393	-0.9015	-0.1215
176	58.37	-0.10	13.8544	-1.5510	-0.2143	-1.1804	0.0331	-0.3191	0.5598	-0.8785	-0.1427
177	58.50	-0.13	13.9405	-1.5547	-0.5714	-1.1709	0.0327	-0.2998	0.5932	-0.8930	-0.1431
178	58.51	-0.12	13.9256	-1.4002	-0.3522	-1.0673	0.0403	-0.3040	0.5609	-0.8705	-0.1412

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF RX10-6				PHT CNF1		C DEL1		DEL2		DEL3		DEL4		TRANSITION	
1 111 0.90 1.7				C.C 010CF15 C.C		0 -30		0 -30		0 -30		UNKNOWN			
PLINT	ALPHA	BETA	CNF1	CH1	Col	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2			
1	-5.74	-0.06	-0.0165	0.0021	0.0114	-0.1112	-0.6332	-0.7919	-0.0177	-0.3512	0.0224	0.4435			
2	-5.75	-0.01	-0.0101	0.0038	0.0140	-0.3704	-1.4053	-0.7891	-0.0171	-0.3447	0.0217	0.4432			
3	-5.75	-0.01	-0.0158	0.0027	0.0125	-0.1957	-0.9358	-0.7993	-0.0168	-0.3546	0.0211	0.4437			
4	-5.70	-0.02	-0.0127	0.0032	0.0135	-0.2521	-1.0345	-0.7949	-0.0168	-0.3525	0.0212	0.4435			
5	-3.04	-0.02	-0.0125	0.0036	0.0122	-0.2881	-0.9760	-0.8430	-0.0164	-0.3748	0.0195	0.4445			
6	-2.10	-0.01	-0.0040	0.0046	0.0126	-1.0004	-2.7391	-0.8954	-0.0156	-0.3553	0.0175	0.4419			
7	-0.31	-0.02	-0.0054	0.0036	0.0086	-0.3631	-0.9169	-0.8744	-0.0156	-0.3691	0.0225	0.4456			
8	1.46	-0.00	0.0000	0.0051	0.0116	0.3775	1.5000	-0.8964	-0.0279	-0.4001	0.0312	0.4463			
9	3.33	-0.01	0.0023	0.0046	0.0105	2.0008	4.5652	-0.9932	-0.0364	-0.4532	0.0387	0.4576			
10	5.01	-0.01	0.0041	0.0026	0.0102	-0.6632	-2.4878	-0.9442	-0.0406	-0.4412	0.0427	0.4645			
11	6.62	-0.01	0.0011	0.0021	0.0127	-0.1893	-1.1441	-0.8871	-0.0363	-0.4224	0.0409	0.4762			
12	6.57	-0.01	-0.0089	0.0026	0.0105	-0.3147	-1.8539	-0.7570	-0.0319	-0.3743	0.0421	0.4944			
13	10.35	-0.01	-0.0023	0.0035	0.0101	-1.5223	-7.0000	-0.6312	-0.0299	-0.3264	0.0459	0.5171			
14	12.17	-0.02	-0.0050	0.0031	0.0165	-0.6202	-3.3830	-0.5283	-0.0245	-0.2760	0.0464	0.5225			
15	13.98	-0.02	-0.0010	-0.0005	0.0085	0.0238	-0.4048	-0.3588	-0.0210	-0.2176	0.0527	0.5458			
16	15.65	-0.02	-0.0030	-0.0000	0.0145	0.0261	-0.6034	-0.2968	-0.0177	-0.1694	0.0557	0.5708			
17	17.74	-0.02	-0.0050	-0.0022	0.0000	0.0615	-0.0112	-0.1919	-0.0130	-0.1198	0.0678	0.6244			
18	19.58	-0.03	-0.0089	-0.0050	0.0135	0.2009	-0.2846	-0.1255	-0.0046	-0.0879	0.0667	0.7067			
19	21.45	-0.03	-0.0070	-0.0110	0.0075	0.1872	-0.1119	-0.0466	0.0024	-0.0585	-0.0516	1.2645			
20	23.33	-0.03	-0.0113	-0.0175	-0.0100	0.1477	0.0041	-0.0177	0.0127	-0.0469	-0.7178	2.3051			
21	25.17	-0.03	-0.0070	-0.0005	-0.0000	0.1173	0.0124	0.0365	0.0299	-0.0196	0.8195	-0.5370			
22	27.10	-0.01	0.0028	0.0043	0.0321	0.1807	1.3487	0.1017	0.0423	0.0062	0.4155	0.0610			
23	28.20	-0.02	-0.0066	0.0004	-0.0026	-0.0066	0.0559	0.1027	0.0460	0.0065	0.4475	0.0634			
24	28.28	0.01	0.1438	0.0161	0.0537	0.1122	0.6516	0.1401	0.0485	0.0225	0.3461	0.1608			
25	28.60	0.03	0.0726	0.0051	0.0527	0.1256	0.8083	0.1345	0.0502	0.0210	0.3732	0.1564			
26	28.98	0.03	0.2302	0.0258	0.1420	0.1033	0.5074	0.1020	0.0541	0.0403	0.2971	0.2217			
27	29.27	0.04	0.2332	0.0258	0.1405	0.1019	0.5792	0.1845	0.0568	0.0425	0.3078	0.2301			
28	29.50	0.02	0.1053	0.0154	0.0544	0.1176	0.5712	0.1699	0.0506	0.0365	0.3331	0.2151			
29	29.67	0.05	0.2277	0.0281	0.1266	0.1236	0.5567	0.1656	0.0589	0.0433	0.3173	0.2330			
30	30.15	0.05	0.2086	0.0252	0.1222	0.1204	0.5056	0.1928	0.0610	0.0470	0.3194	0.2435			
31	30.40	0.05	0.1670	0.0225	0.1026	0.1349	0.6145	0.1670	0.0610	0.0436	0.3254	0.2329			
32	30.70	0.05	0.1672	0.0265	0.1104	0.1418	0.5066	0.1455	0.0640	0.0456	0.3273	0.2330			
33	30.98	0.05	0.1675	0.0261	0.1037	0.1557	0.6176	0.1665	0.0645	0.0456	0.3275	0.2323			
34	31.24	0.06	0.1681	0.0265	0.1131	0.1456	0.5093	0.2043	0.0651	0.0461	0.3188	0.2353			
35	31.52	0.05	0.1557	0.0266	0.0534	0.1711	0.6000	0.2054	0.0672	0.0489	0.3273	0.2375			
36	31.79	0.04	0.1457	0.0268	0.0666	0.1843	0.5945	0.2125	0.0687	0.0519	0.3234	0.2441			
37	32.07	0.06	0.2033	0.0350	0.1155	0.1719	0.5682	0.2261	0.0710	0.0604	0.3114	0.2647			
38	32.34	0.06	0.2255	0.0307	0.1213	0.1361	0.5372	0.2411	0.0721	0.0656	0.2991	0.2720			
39	32.59	0.06	0.2050	0.0253	0.1121	0.1428	0.5555	0.2381	0.0721	0.0654	0.2025	0.2746			
40	32.87	0.05	0.1610	0.0255	0.0650	0.1561	0.5550	0.2351	0.0726	0.0651	0.3097	0.2768			
41	33.13	0.05	0.1245	0.0151	0.0702	0.1560	0.5649	0.2495	0.0734	0.0722	0.2963	0.2893			
42	33.38	0.05	0.2010	0.0255	0.1256	0.1177	0.5002	0.2929	0.0757	0.0929	0.2586	0.3173			
43	33.61	0.05	0.2002	0.0250	0.1036	0.1250	0.5175	0.2927	0.0771	0.0935	0.2635	0.3195			
44	33.87	0.06	0.2457	0.0252	0.1220	0.1190	0.4907	0.3302	0.0775	0.1059	0.2348	0.3208			
45	34.13	0.04	0.2715	0.0322	0.1281	0.1184	0.4716	0.3331	0.0776	0.1073	0.2330	0.3222			
46	34.39	0.04	0.2453	0.0262	0.1130	0.1232	0.4965	0.3213	0.0760	0.1034	0.2429	0.3215			

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACT	FXID-6	PHI	CNCF	L	CEL1	CEL2	CEL3	CEL4	TRANSITION	
7		111	0.90	1.7	0.0	0.0	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CNFI	CMI	CJI	ACPF1	YCPF1	CNF2	CN2	CB2	ACPF2	YCPF2
47	34.62	0.05	0.1815	0.0223	0.0886	0.1228	0.4371	0.3314	0.0737	0.1090	0.2376	0.3290
48	34.65	0.05	0.1825	0.0224	0.0887	0.1175	0.5013	0.3305	0.0745	0.1137	0.2345	0.3360
49	35.12	0.05	0.2035	0.0248	0.0980	0.1222	0.4820	0.3412	0.0853	0.1183	0.2354	0.3410
50	35.36	0.02	0.1407	0.0153	0.0742	0.1045	0.5056	0.3528	0.0854	0.1214	0.2286	0.3458
51	35.55	0.01	0.0524	0.0065	0.0281	0.1243	0.5573	0.3528	0.0805	0.1226	0.2282	0.3473
52	35.84	0.01	0.0864	0.0061	0.0277	0.1160	0.4056	0.3469	0.0807	0.1209	0.2327	0.3486
53	36.08	0.01	0.0844	0.0025	0.0317	0.0451	0.4930	0.3525	0.0813	0.1261	0.2307	0.3578
54	36.31	0.01	0.1146	0.0058	0.0575	0.0409	0.5013	0.3579	0.0820	0.1190	0.2428	0.3523
55	36.55	0.03	0.1142	0.0083	0.0864	0.0552	0.5285	0.3637	0.0821	0.1224	0.2390	0.3562
56	36.74	0.01	0.0920	0.0037	0.0406	0.0403	0.5092	0.3422	0.0828	0.1206	0.2421	0.3525
57	37.02	0.02	0.0856	0.0032	0.0448	0.0356	0.4954	0.3362	0.0832	0.1195	0.2476	0.3558
58	37.24	0.00	0.1774	0.0115	0.0895	0.0844	0.5045	0.3492	0.0837	0.1271	0.2398	0.3638
59	37.52	0.01	0.1257	0.0048	0.0671	0.0367	0.5339	0.3491	0.0840	0.1277	0.2407	0.3658
60	37.74	0.03	0.1160	0.0055	0.0576	0.0496	0.5204	0.3637	0.0845	0.1313	0.2324	0.3605
61	38.01	0.00	0.0642	0.0010	0.0343	0.0150	0.5351	0.3636	0.0845	0.1325	0.2325	0.3643
62	38.24	0.00	0.0644	0.0001	0.0336	0.0116	0.5220	0.3635	0.0852	0.1325	0.2345	0.3644
63	38.47	0.00	0.0660	0.0001	0.0331	0.0127	0.5375	0.3737	0.0857	0.1374	0.2295	0.3676
64	38.72	0.00	0.0646	0.0017	0.0305	0.0204	0.4729	0.3620	0.0858	0.1312	0.2371	0.3623
65	38.93	0.00	0.0587	0.0031	0.0510	0.0528	0.5265	0.4014	0.0855	0.1485	0.2131	0.3655
66	39.14	0.01	0.1244	0.0051	0.0646	0.0710	0.4904	0.4012	0.0867	0.1485	0.2162	0.3701
67	39.40	0.01	0.1356	0.0103	0.0655	0.0739	0.5037	0.3925	0.0866	0.1455	0.2208	0.3707
68	39.61	0.03	0.1313	0.0090	0.0683	0.0657	0.4974	0.3852	0.0863	0.1437	0.2242	0.3730
69	39.81	0.00	0.0867	0.0028	0.0412	0.0316	0.4635	0.3855	0.0870	0.1452	0.2235	0.3728
70	40.05	0.04	0.1703	0.0127	0.0865	0.0747	0.4750	0.3922	0.0877	0.1478	0.2237	0.3768
71	40.26	0.01	0.1714	0.0125	0.0822	0.0754	0.4796	0.3981	0.0877	0.1495	0.2204	0.3755
72	40.48	0.05	0.2032	0.0154	0.0945	0.0759	0.4650	0.4009	0.0882	0.1515	0.2201	0.3775
73	40.65	0.03	0.1592	0.0164	0.0936	0.0824	0.4698	0.4069	0.0870	0.1537	0.2139	0.3777
74	40.85	0.05	0.2000	0.0181	0.0966	0.0906	0.4840	0.4286	0.0880	0.1631	0.2054	0.3805
75	41.08	0.04	0.2206	0.0206	0.1027	0.0935	0.4657	0.4135	0.0885	0.1578	0.2139	0.3812
76	41.27	0.05	0.1964	0.0174	0.0946	0.0867	0.4766	0.4212	0.0884	0.1614	0.2106	0.3832
77	41.50	0.03	0.1815	0.0155	0.0936	0.0875	0.5135	0.4548	0.0879	0.1769	0.1936	0.3850
78	41.72	0.04	0.1271	0.0152	0.0958	0.1148	0.5443	0.4884	0.0872	0.1896	0.1786	0.3883
79	41.91	0.03	0.1262	0.0132	0.0878	0.1048	0.5373	0.4865	0.0873	0.1901	0.1754	0.3905
80	42.14	0.05	0.1547	0.0160	0.0960	0.0926	0.4972	0.4589	0.0873	0.1803	0.1947	0.3936
81	42.31	0.04	0.0524	0.0094	0.0614	0.1015	0.6641	0.4985	0.0879	0.1934	0.1764	0.3880
82	42.50	0.02	0.1545	0.0082	0.0956	0.0811	0.5175	0.4560	0.0884	0.1777	0.1955	0.3858
83	42.68	0.00	0.1288	0.0088	0.0861	0.0895	0.5213	0.4847	0.0892	0.1831	0.1921	0.3841
84	42.87	0.01	0.0930	0.0036	0.0411	0.0971	0.7635	0.5067	0.0881	0.1972	0.1733	0.3877
85	43.05	0.05	0.1285	0.0102	0.0675	0.0808	0.5368	0.4690	0.0894	0.1840	0.1907	0.3924
86	43.23	0.03	0.0955	0.0034	0.0427	0.0947	0.9109	0.5134	0.0888	0.2014	0.1730	0.3924
87	43.40	0.04	0.1035	0.0108	0.0575	0.1047	0.5562	0.4989	0.0890	0.1950	0.1785	0.3909
88	43.61	0.03	0.0615	0.0023	0.0405	0.0972	0.6553	0.4829	0.0891	0.1873	0.1846	0.3879
89	43.76	0.03	0.0828	0.0068	0.0530	0.0758	0.6397	0.4856	0.0901	0.1899	0.1898	0.3911
90	43.94	0.03	0.0624	0.0021	0.0183	0.0909	0.3103	0.5484	0.0883	0.2155	0.1620	0.3924
91	44.13	0.03	0.1575	0.0226	0.0882	0.1437	0.5601	0.5571	0.0885	0.2203	0.1588	0.3954
92	44.30	0.02	0.1230	0.0143	0.0710	0.1165	0.5774	0.5604	0.0896	0.2116	0.1659	0.3915

PAGE 4 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART WAC WAC-E PHI CNPF C CELL DEL2 DEL3 DEL4 TRANSITION												
7 111 0.90 1.7 G.C 61 CNPF15 G.O U -30 U -30 UNKNOWN												
FLINT	ALPHA	DELTA	CNPF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CH2	XCPF2	YCPF2
93	44.49	-0.05	-0.0033	-0.0051	-0.0037	-1.5461	-7.1818	0.5872	0.0882	0.2294	0.1503	0.3906
94	44.70	-0.04	-0.0033	-0.0035	-0.0032	-1.1440	0.7447	0.5842	0.0687	0.2294	0.1515	0.3923
95	44.87	-0.01	-0.0040	-0.0027	-0.0028	-0.0501	0.1224	0.5755	0.0887	0.2238	0.1542	0.3888
96	45.08	-0.07	-0.0177	-0.0234	-0.0093	0.1408	0.6298	0.5754	0.0890	0.2250	0.1548	0.3910
97	45.24	-0.07	-0.0150	-0.0173	-0.0088	0.1264	0.5972	0.5710	0.0890	0.2240	0.1555	0.3922
98	45.43	-0.05	-0.0107	-0.0133	-0.0092	0.1103	0.6359	0.5608	0.0893	0.2203	0.1593	0.3926
99	45.60	-0.05	-0.0071	-0.0100	-0.0075	0.1405	0.8062	0.5814	0.0887	0.2255	0.1526	0.3878
100	45.80	-0.05	-0.0175	-0.0170	-0.0131	0.0972	0.5006	0.5462	0.0900	0.2133	0.1645	0.3905
101	45.97	-0.05	-0.0110	-0.0178	-0.0087	0.1361	0.6774	0.5801	0.0894	0.2285	0.1526	0.3898
102	46.14	-0.03	-0.0191	-0.0056	-0.0074	0.2933	2.5026	0.5979	0.0888	0.2312	0.1486	0.3866
103	46.32	-0.06	-0.0268	-0.0141	-0.0035	0.1114	0.6619	0.5182	0.0892	0.2252	0.1543	0.3894
104	46.50	-0.04	-0.0523	-0.0075	-0.0014	0.1457	1.1743	0.5958	0.0888	0.2319	0.1491	0.3892
105	46.65	-0.03	-0.0030	-0.0115	-0.0092	0.1536	0.7691	0.5957	0.0892	0.2313	0.1498	0.3882
106	46.84	-0.05	0.0026	-0.0033	-0.0174	0.1154	-0.0479	0.6047	0.0880	0.2326	0.1456	0.3846
107	47.02	-0.02	-0.0055	-0.0001	-0.0074	0.1352	1.0437	0.5919	0.0885	0.2295	0.1456	0.3877
108	47.19	-0.04	-0.0056	-0.0003	-0.0062	0.1100	0.8755	0.5877	0.0880	0.2257	0.1498	0.3846
109	47.36	-0.03	-0.0003	-0.0055	-0.0057	0.1365	1.2556	0.5958	0.0879	0.2312	0.1476	0.3880
110	47.55	-0.04	-0.0009	-0.0112	-0.0037	0.1845	0.8816	0.6133	0.0879	0.2305	0.1434	0.3889
111	47.72	-0.04	-0.0075	-0.0155	-0.0080	0.1166	0.5852	0.5754	0.0885	0.2226	0.1539	0.3868
112	47.89	-0.06	-0.0041	-0.0116	-0.0128	0.1248	0.7035	0.6016	0.0879	0.2335	0.1462	0.3881
113	48.07	-0.04	-0.0157	-0.0161	-0.0093	0.1155	0.6036	0.5891	0.0879	0.2269	0.1493	0.3851
114	48.24	-0.05	-0.0093	-0.0123	-0.0010	0.1778	0.8501	0.5191	0.0879	0.2401	0.1421	0.3878
115	48.42	-0.03	-0.0210	-0.0273	-0.0173	0.1302	0.5589	0.6042	0.0892	0.2337	0.1477	0.3867
116	48.60	-0.04	-0.0136	-0.0242	-0.0144	0.1320	0.5087	0.6029	0.0886	0.2336	0.1470	0.3874
117	48.75	-0.00	-0.0035	-0.0091	-0.0135	0.1480	0.5129	0.6250	0.0894	0.2444	0.1431	0.3911
118	48.94	-0.02	-0.0147	-0.0094	-0.0141	0.1624	0.5317	0.6129	0.0891	0.2053	0.1325	0.3943
119	49.13	-0.00	-0.0118	-0.0355	-0.0114	0.1805	0.5267	0.6981	0.0894	0.2717	0.1281	0.3853
120	49.29	-0.04	-0.0115	-0.0034	-0.0145	0.1741	0.5457	0.6925	0.0883	0.2669	0.1276	0.3884
121	49.47	0.01	-0.0141	-0.0146	-0.0100	0.0891	0.6095	0.6826	0.0889	0.2620	0.1303	0.3838
122	49.64	0.01	-0.0160	-0.0274	-0.0063	0.1053	0.5802	0.7203	0.0879	0.2783	0.1211	0.3832
123	49.84	0.06	-0.0264	-0.0214	-0.0107	0.0947	0.4833	0.6474	0.0919	0.2458	0.1420	0.3797
124	50.02	0.05	-0.0202	-0.0168	-0.0104	0.0847	0.5010	0.6491	0.0896	0.2458	0.1381	0.3787
125	50.19	0.05	-0.0043	-0.0223	-0.0070	0.0475	0.7401	0.7064	0.0855	0.2643	0.1211	0.3742
126	50.38	0.02	0.0123	-0.0170	-0.0124	-1.3827	-1.0081	0.7225	0.0841	0.2650	0.1165	0.3724
127	50.54	0.03	-0.0376	-0.0216	-0.0348	0.0717	0.9206	0.7180	0.0843	0.2692	0.1175	0.3750
128	50.73	0.07	0.0093	-0.0155	-0.0093	-0.0446	-0.1349	0.7436	0.0811	0.2708	0.1091	0.3642
129	50.89	0.04	0.0051	-0.0203	-0.0164	-3.5820	-3.2157	0.7505	0.0826	0.2773	0.1101	0.3653
130	51.06	0.04	-0.0006	-0.0235	-0.0220	35.1823	36.6007	0.7784	0.0796	0.2804	0.1023	0.3679
131	51.26	0.04	-0.0046	-0.0327	-0.0364	0.7329	0.8180	0.7940	0.0731	0.2858	0.0521	0.3556
132	51.40	0.06	-0.0171	-0.0261	-0.0258	1.5269	1.5068	0.7826	0.0727	0.2794	0.0929	0.3571
133	51.59	0.01	-0.0046	-0.0271	-0.0382	0.0578	0.8042	0.7909	0.0742	0.2813	0.0938	0.3557
134	51.79	0.04	-0.0051	-0.0230	-0.0303	0.3540	0.7723	0.7642	0.0707	0.2633	0.0925	0.3446
135	51.97	0.04	-0.0041	-0.0145	-0.0368	0.4371	1.0792	0.7543	0.0702	0.2543	0.0531	0.3371
136	52.13	0.07	-0.0020	-0.0156	-0.0403	0.0017	0.7803	0.7609	0.0713	0.2592	0.0937	0.3407
137	52.30	0.06	-0.0048	-0.0120	-0.0331	0.3450	0.9511	0.7477	0.0746	0.2534	0.0558	0.3385
138	52.47	0.07	-0.0138	-0.0094	-0.0220	0.6814	1.5442	0.7480	0.0736	0.2505	0.0584	0.3346

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACP		RX10-6		PHI	CNF1	C	DEL1	DEL2	CEL3	CEL4	TRANSITION
7		111 C.9C 1.7				U.C	8100F15	U.C	0	-30	0	-30	UNKNOWN
PLANT	ALPHA	BETA	CNF1	CHI	CHI	ACPF1	YCPF1	CNF2	CHI	CHI	ACPF2	YCPF2	
139	52.65	0.06	-0.0031	-0.0058	-0.0142	1.6717	4.5806	0.7399	0.0767	0.2485	0.1037	0.3359	
140	52.80	0.08	-0.0253	-0.0114	-0.0245	1.3551	0.8498	0.7532	0.0762	0.2527	0.1012	0.3359	
141	52.97	0.08	-0.0182	-0.0081	-0.0194	1.4452	1.0659	0.7490	0.0751	0.2512	0.1003	0.3354	
142	53.14	0.10	-0.0125	-0.0073	-0.0125	1.5442	1.0000	0.7332	0.0740	0.2523	0.0983	0.3350	
143	53.29	0.05	-0.0375	-0.0055	-0.0201	1.2613	0.5303	0.7619	0.0741	0.2542	0.0973	0.3336	
144	53.46	0.08	-0.0204	-0.0051	-0.0115	1.4403	0.5833	0.7573	0.0757	0.2527	0.1000	0.3337	
145	53.62	0.08	-0.0008	-0.0055	-0.0024	1.6777	3.0000	0.7631	0.0748	0.2572	0.0980	0.3371	
146	53.79	0.07	-0.0085	-0.0069	-0.0013	1.6121	0.1529	0.7521	0.0736	0.2456	0.0979	0.3319	
147	53.95	0.06	-0.0003	-0.0041	-0.0008	1.6721	2.0000	0.7604	0.0733	0.2546	0.0964	0.3348	
148	54.10	0.07	-0.0048	-0.0066	0.0006	1.3755	0.1667	0.7709	0.0717	0.2591	0.0930	0.3361	
149	54.27	0.07	-0.0051	-0.0053	0.0023	1.5626	0.2527	0.7707	0.0734	0.2586	0.0953	0.3348	
150	54.43	0.06	-0.0014	-0.0060	0.0052	4.2674	3.7143	0.7709	0.0726	0.2563	0.0942	0.3325	
151	54.58	0.04	-0.0009	-0.0025	0.0052	2.7789	10.2222	0.7622	0.0729	0.2521	0.0957	0.3307	
152	54.73	0.07	0.0229	-0.0010	0.0198	0.3437	0.8040	0.7513	0.0688	0.2512	0.0916	0.3344	
153	54.89	0.05	0.0177	-0.0001	0.0188	1.0057	1.0621	0.7640	0.0684	0.2548	0.0895	0.3335	
154	55.03	0.06	0.0074	-0.0025	0.0165	0.5272	2.5540	0.7715	0.0667	0.2571	0.0865	0.3332	
155	55.18	0.02	0.0210	0.0	0.0243	0.0	1.1571	0.7666	0.0715	0.2525	0.0933	0.3295	
156	55.35	0.07	0.0200	0.0010	0.0312	0.0376	1.1729	0.7587	0.0663	0.2522	0.0874	0.3324	
157	55.50	0.03	0.0238	0.0035	0.0307	0.1471	1.2699	0.7501	0.0668	0.2475	0.0891	0.3300	
158	55.65	0.04	0.0210	0.0052	0.0357	0.1927	1.3222	0.7419	0.0638	0.2458	0.0860	0.3286	
159	55.79	0.06	0.0216	0.0067	0.0355	0.3103	1.6620	0.7373	0.0642	0.2428	0.0871	0.3293	
160	55.97	0.03	0.0211	0.0062	0.0398	0.2463	1.8863	0.7272	0.0641	0.2351	0.0882	0.3286	
161	56.13	0.05	0.0004	0.0074	0.0345	18.5074	87.2501	0.7160	0.0627	0.2323	0.0876	0.3244	
162	56.28	0.05	-0.0007	0.0061	0.0344	0.7014	3.9540	0.7271	0.0627	0.2375	0.0862	0.3266	
163	56.43	0.04	-0.0002	0.0072	0.0346	1.1617	5.6129	0.7483	0.0634	0.2458	0.0874	0.3285	
164	56.55	-0.01	-0.0270	0.0074	0.0305	0.2742	1.1444	0.7184	0.0636	0.2322	0.0885	0.3232	
165	56.75	0.01	-0.0273	0.0057	0.0346	0.2089	1.2674	0.7225	0.0646	0.2345	0.0894	0.3251	
166	56.88	0.02	-0.0349	0.0074	0.0307	0.2121	0.8797	0.7198	0.0633	0.2324	0.0879	0.3235	
167	57.05	0.01	-0.0572	0.0068	0.0277	0.1151	0.4851	0.7324	0.0640	0.2365	0.0874	0.3229	
168	57.19	0.02	-0.0465	0.0046	0.0345	0.0551	0.7128	0.7342	0.0625	0.2342	0.0851	0.3258	
169	57.35	-0.00	-0.0475	0.0055	0.0358	0.1255	0.8326	0.7441	0.0637	0.2436	0.0856	0.3274	
170	57.50	0.01	-0.0740	0.0058	0.0496	0.0779	0.3973	0.7225	0.0638	0.2337	0.0883	0.3234	
171	57.64	-0.00	-0.0685	0.0057	0.0342	0.0835	0.5000	0.7254	0.0640	0.2345	0.0882	0.3233	
172	57.80	-0.01	-0.0753	0.0055	0.0363	0.0732	0.4827	0.7510	0.0665	0.2445	0.0886	0.3261	
173	57.93	-0.07	-0.0701	0.0055	0.0365	0.0843	0.5271	0.7880	0.0643	0.2581	0.0818	0.3284	
174	58.08	-0.07	-0.0655	0.0060	0.0411	0.1040	0.6269	0.7697	0.0641	0.2529	0.0833	0.3286	
175	58.21	-0.11	-0.0646	0.0060	0.0385	0.0093	0.5969	0.7875	0.0617	0.2583	0.0764	0.3286	
176	58.37	-0.10	-0.0588	0.00612	0.0450	0.0205	0.7649	0.7523	0.0634	0.2440	0.0865	0.3243	
177	58.50	-0.13	-0.0571	0.0	0.0427	0.0	0.7474	0.7519	0.0678	0.2436	0.0902	0.3240	
178	58.51	-0.12	-0.0572	0.0018	0.0424	-0.0315	0.7408	0.7711	0.0647	0.2513	0.0835	0.3255	

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PACF RX10-6				PHI	CONF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 ALL 0.90 1.7				0.0	0.00015	0.0	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CONF	CM3	CM3	XCPF3	YCPF3	CONF4	CM4	CM4	XCPF4	YCPF4
1	-5.74	-0.00	0.0020	5.9999	0.0130	5.9999	-0.5300	-0.0385	-0.0147	-0.3599	0.0176	0.4288
2	-5.75	-0.01	0.0040	5.9999	0.0172	5.9999	3.7391	-0.0400	-0.0148	-0.3613	0.0176	0.4362
3	-5.75	-0.01	0.0073	5.9999	0.0180	5.9999	2.4657	-0.0415	-0.0150	-0.3603	0.0179	0.4282
4	-5.76	-0.02	0.0072	5.9999	0.0185	5.9999	2.5694	-0.0422	-0.0152	-0.3580	0.0183	0.4302
5	-3.64	-0.02	0.0034	5.9999	0.0155	5.9999	-6.5586	-0.0253	-0.0134	-0.3521	0.0145	0.4237
6	-2.10	-0.01	0.0030	5.9999	0.0225	5.9999	7.6333	-0.0542	-0.0156	-0.3946	0.0166	0.4135
7	-0.31	-0.02	0.0024	5.9999	0.0214	5.9999	-8.9167	-0.0306	-0.0204	-0.3816	0.0226	0.4162
8	1.46	-0.00	0.0041	5.9999	0.0277	5.9999	6.7561	-0.0828	-0.0310	-0.4079	0.0315	0.4150
9	3.33	-0.01	0.0108	5.9999	0.0256	5.9999	2.7593	-1.0377	-0.0432	-0.4525	0.0416	0.4366
10	5.01	-0.01	0.0013	5.9999	0.0250	5.9999	22.7692	-0.0779	-0.0454	-0.4334	0.0464	0.4432
11	6.82	-0.01	0.0012	5.9999	0.0327	5.9999	27.2500	-0.0872	-0.0442	-0.4072	0.0492	0.4535
12	8.57	-0.01	0.0015	5.9999	0.0320	5.9999	-21.3333	-0.7959	-0.0387	-0.3604	0.0486	0.4535
13	10.35	-0.01	0.0054	5.9999	0.0285	5.9999	-5.2778	-0.0769	-0.0339	-0.3042	0.0499	0.4480
14	12.17	-0.02	0.0054	5.9999	0.0285	5.9999	5.3333	-0.0679	-0.0305	-0.2488	0.0536	0.4381
15	13.58	-0.02	0.0042	5.9999	0.0245	5.9999	5.8333	-0.4509	-0.0263	-0.1927	0.0584	0.4275
16	15.65	-0.02	0.0041	5.9999	0.0211	5.9999	6.6096	-0.3296	-0.0217	-0.1408	0.0659	0.4271
17	17.74	-0.02	0.0045	5.9999	0.0258	5.9999	3.7391	-0.2251	-0.0166	-0.0916	0.0739	0.4076
18	19.58	-0.03	0.0017	5.9999	0.0261	5.9999	11.8235	-0.0635	-0.0084	-0.0410	0.1008	0.4904
19	21.45	-0.03	0.0072	5.9999	0.0200	5.9999	2.7778	-0.0203	0.0042	-0.0137	-0.2070	0.6749
20	23.33	-0.03	0.0046	5.9999	0.0162	5.9999	3.5217	0.0305	0.0000	0.0070	0.0560	0.2295
21	25.17	-0.03	0.0113	5.9999	0.0177	5.9999	1.5664	0.0531	0.0324	0.0179	0.0057	0.3377
22	27.10	-0.01	0.0040	5.9999	0.0264	5.9999	0.7765	0.0706	0.0431	0.0298	0.0102	0.4227
23	28.20	-0.02	0.0261	5.9999	0.0221	5.9999	0.8467	0.0967	0.0675	0.0444	0.0409	0.4493
24	28.28	0.01	0.0354	5.9999	0.0274	5.9999	0.6954	0.0700	0.0475	0.0327	0.0734	0.4678
25	28.68	0.03	0.0444	5.9999	0.0300	5.9999	0.6696	0.0833	0.0688	0.0384	0.0566	0.4619
26	28.98	0.03	0.0394	5.9999	0.0285	5.9999	0.7233	0.0655	0.0511	0.0302	0.0701	0.4618
27	29.27	0.04	0.0514	5.9999	0.0321	5.9999	0.6233	0.0869	0.0535	0.0394	0.0555	0.4535
28	29.50	0.02	0.0422	5.9999	0.0256	5.9999	0.7078	0.1062	0.0545	0.0489	0.0529	0.4596
29	29.87	0.05	0.0502	5.9999	0.0325	5.9999	0.6487	0.1158	0.0565	0.0533	0.0477	0.4598
30	30.15	0.05	0.0570	5.9999	0.0358	5.9999	0.6242	0.1362	0.0549	0.0637	0.0425	0.4676
31	30.60	0.05	0.0476	5.9999	0.0313	5.9999	0.6589	0.1421	0.0592	0.0658	0.0467	0.4630
32	30.70	0.05	0.0503	5.9999	0.0324	5.9999	0.6494	0.1741	0.0620	0.0815	0.0361	0.4681
33	30.98	0.05	0.0423	5.9999	0.0282	5.9999	0.6662	0.1743	0.0617	0.0820	0.0350	0.4704
34	31.24	0.06	0.0410	5.9999	0.0271	5.9999	0.6626	0.1830	0.0624	0.0839	0.0340	0.4584
35	31.52	0.05	0.0350	5.9999	0.0326	5.9999	0.6200	0.2154	0.0646	0.0995	0.0300	0.4621
36	31.79	0.04	0.0423	5.9999	0.0286	5.9999	0.6825	0.2181	0.0652	0.1010	0.0290	0.4633
37	32.07	0.06	0.0370	5.9999	0.0347	5.9999	0.6098	0.2413	0.0675	0.1126	0.0298	0.4668
38	32.34	0.06	0.0364	5.9999	0.0343	5.9999	0.5683	0.2170	0.0675	0.1029	0.0312	0.4744
39	32.55	0.06	0.0411	5.9999	0.0355	5.9999	0.5820	0.2200	0.0677	0.1043	0.0308	0.4743
40	32.87	0.05	0.0477	5.9999	0.0257	5.9999	0.6239	0.2435	0.0692	0.1152	0.0282	0.4733
41	33.13	0.05	0.0451	5.9999	0.0265	5.9999	0.5978	0.2393	0.0711	0.1152	0.0296	0.4812
42	33.36	0.05	0.0564	5.9999	0.0343	5.9999	0.5883	0.2042	0.0720	0.1004	0.0328	0.4619
43	33.61	0.05	0.0664	5.9999	0.0370	5.9999	0.5981	0.2231	0.0737	0.1088	0.0305	0.4679
44	33.87	0.06	0.0611	5.9999	0.0334	5.9999	0.5475	0.1981	0.0742	0.0974	0.0346	0.4517
45	34.13	0.04	0.0564	5.9999	0.0321	5.9999	0.5506	0.1935	0.0743	0.0954	0.0384	0.4930
46	34.39	0.04	0.0624	5.9999	0.0346	5.9999	0.5457	0.2143	0.0755	0.1056	0.0325	0.4630

PAGE 3 OF 3
SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART HATCH R310-E			PHI CNF		L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 ALL 0.50 1.7			J.O B10UF15		G.C	0	-30	0	-30	UNKNOWN		
FCINT	ALPHA	BETA	CNF2	CH3	CH3	ACPF3	YCPF3	CNF4	CH4	CH4	XCPF4	YCPF4
47	34.62	0.05	C.05E4	S.9555	J.0321	S.9999	0.5506	J.2303	0.0767	0.1125	0.3332	C.4887
48	34.85	0.03	C.0476	S.9555	C.027C	S.9999	0.5060	J.2451	0.0775	0.1193	0.3163	0.4865
49	35.12	0.03	C.051E	S.9555	C.0285	S.9599	0.5550	J.2542	0.0775	J.1235	C.3050	0.4858
50	35.36	0.02	C.0451	S.9555	J.0263	S.9555	0.5844	J.2657	0.0787	0.1290	0.2963	0.4853
51	35.59	0.01	C.0424	S.9555	J.0245	S.9555	0.5792	0.2774	0.0796	0.1345	C.287C	0.4847
52	35.84	-0.01	C.0414	S.9555	J.0264	S.9599	0.5702	0.2605	0.0794	0.1352	0.2831	C.4816
53	36.08	-0.01	C.0423	S.9555	0.0266	S.9999	0.6303	J.3101	0.0611	0.1511	0.2616	0.4872
54	36.31	-0.01	C.0343	S.9555	C.022E	S.9599	0.6647	J.3386	0.0618	0.1657	0.2417	C.4894
55	36.55	-0.03	C.0343	S.9555	C.021E	S.9599	0.6356	J.3309	0.0819	0.1617	0.2476	0.4867
56	36.79	-0.01	C.0356	S.9555	C.0253	S.9999	0.6384	J.3553	0.0616	0.1736	0.2363	0.4886
57	37.02	-0.02	C.0355	S.9555	C.026E	S.9595	0.6664	J.3701	0.0826	0.1821	0.2233	C.4922
58	37.29	-0.00	C.0235	S.9555	C.015E	S.9595	0.8426	0.3728	0.0834	0.1835	0.2238	C.4923
59	37.52	-0.01	C.0275	S.9555	C.0217	S.9595	0.7891	J.3924	0.0837	0.1923	0.2134	0.4902
60	37.74	-0.03	C.0315	S.9555	C.0237	S.9599	0.7524	0.3996	0.0843	0.1957	0.2111	0.4899
61	38.01	-0.00	C.0345	S.9555	C.0275	S.9599	0.6962	J.4014	0.0837	0.1965	0.2086	0.4906
62	38.24	-0.00	C.036E	S.9555	C.0262	S.9599	0.7120	J.4195	0.0839	0.2045	0.2001	0.4874
63	38.47	-0.00	C.0235	S.9555	C.0205	S.9595	0.8394	J.4300	0.0840	0.2067	C.1954	0.4852
64	38.72	-0.00	C.0354	S.9555	C.0285	S.9999	0.7233	J.4510	0.0848	0.2187	0.1881	C.4845
65	38.93	-0.00	C.0314	S.9555	C.0252	S.9595	0.8025	J.4355	0.0852	0.2109	0.1957	C.4841
66	39.14	-0.01	C.0261	S.9555	C.0257	S.9599	0.9060	J.4501	0.0857	0.2211	0.1872	0.4826
67	39.40	-0.01	C.0260	S.9555	C.0253	S.9595	0.9731	J.4566	0.0857	0.2193	0.1878	C.4803
68	39.61	-0.03	C.0221	S.9555	J.021E	S.9599	0.9864	J.4704	0.0852	0.2253	0.1812	0.4789
69	39.81	-0.00	C.0234	S.9555	J.0235	S.9995	1.0043	0.4641	J.0851	0.2319	0.1759	0.4790
70	40.05	-0.04	C.0207	S.9555	C.022E	S.9595	1.1014	0.4939	0.0867	0.2345	C.1756	0.4748
71	40.26	-0.01	C.018C	S.9555	C.0221	S.9599	1.2278	0.4631	0.0872	0.2316	0.1806	0.4794
72	40.46	-0.05	C.0207	S.9555	C.0217	S.9999	1.0483	J.4951	0.0875	0.2381	0.1768	0.4865
73	40.65	-0.03	C.020C	S.9595	C.0165	S.9999	2.8167	0.4773	0.0866	0.2282	0.1815	C.4781
74	40.85	-0.05	C.0173	S.9555	C.016C	S.9999	2.4657	0.4631	0.0871	0.2321	C.1804	0.4804
75	41.08	-0.04	C.0153	S.9555	J.0227	S.9599	1.1762	0.4950	0.0876	0.2375	0.1771	0.4758
76	41.27	-0.05	C.0233	S.9555	0.0241	S.9999	1.0343	0.4983	0.0870	0.2383	0.1747	C.4762
77	41.50	-0.03	C.0115	S.9555	C.0125	S.9995	1.6726	0.4847	0.0870	0.2322	0.1796	0.4790
78	41.72	-0.04	C.0327	S.9555	C.0274	S.9999	0.8379	0.4619	J.0873	0.2244	0.1891	0.4658
79	41.91	-0.03	C.018C	S.9555	C.021C	S.9599	1.1667	J.4754	0.0875	0.2254	0.1842	0.4825
80	42.12	-0.05	C.014C	S.9555	C.0207	S.9999	1.4786	J.5050	0.0889	0.2430	0.1761	0.4812
81	42.31	-0.06	C.0233	S.9555	C.0251	S.9595	1.0772	0.4735	0.0875	0.2287	0.1847	C.4826
82	42.50	-0.02	C.0287	S.9555	0.0261	S.9595	0.9094	0.5190	0.0881	0.2478	0.1658	0.4774
83	42.68	-0.00	C.0255	S.9555	C.0265	S.9999	1.0386	0.5069	0.0882	0.2447	0.1741	0.4827
84	42.87	-0.01	C.0233	S.9555	C.0248	S.9599	1.0556	0.4859	0.0876	0.2358	0.1808	0.4853
85	43.05	-0.05	C.0232	S.9555	C.0267	S.9999	1.1509	0.5101	0.0879	0.2471	0.1724	0.4844
86	43.23	-0.03	C.0232	S.9555	C.0251	S.9599	1.0819	J.4924	0.0883	0.2388	0.1754	C.4650
87	43.40	-0.04	C.0232	S.9555	0.0261	S.9599	1.1250	0.4953	0.0884	0.2407	C.1786	0.4860
88	43.61	-0.03	C.0155	S.9555	C.0212	S.9599	1.2252	0.5137	0.0879	0.2487	0.1712	0.4841
89	43.76	-0.03	C.0153	S.9555	C.021E	S.9999	1.6248	C.5210	0.0884	0.2521	0.1657	0.4834
90	43.94	-0.03	C.0272	S.9555	C.027C	S.9999	0.9926	0.4894	0.0881	0.2380	0.1801	0.4863
91	44.13	-0.03	C.0255	S.9555	C.0263	S.9599	1.0154	0.4904	0.0892	0.2383	0.1620	0.4855
92	44.30	-0.02	C.0215	S.9555	C.0245	S.9999	1.1187	0.5139	0.0890	0.2458	0.1733	0.4783

PAGE 3 OF 3
SHEET 3 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH XXIC-E												
PLANT	ALPHA	BETA	CNF3	CNF3	CNF3	XCFF3	YCFF3	CNF4	CNF4	CNF4	XCFF4	YCFF4
93	44.49	-0.05	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
94	44.70	-0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
95	44.87	-0.01	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
96	45.00	-0.07	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
97	45.24	-0.07	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
98	45.43	-0.05	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
99	45.60	-0.05	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
100	45.80	-0.05	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
101	45.97	-0.05	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
102	46.14	-0.03	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
103	46.32	-0.06	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
104	46.50	-0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
105	46.65	-0.03	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
106	46.84	-0.05	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
107	47.02	-0.02	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
108	47.19	-0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
109	47.36	-0.03	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
110	47.55	-0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
111	47.72	-0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
112	47.89	-0.06	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
113	48.07	-0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
114	48.24	-0.05	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
115	48.42	-0.03	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
116	48.60	-0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
117	48.75	-0.06	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
118	48.94	-0.02	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
119	49.13	-0.00	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
120	49.29	-0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
121	49.47	0.01	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
122	49.64	0.01	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
123	49.84	0.06	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
124	50.02	0.05	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
125	50.19	0.05	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
126	50.38	0.02	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
127	50.54	0.05	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
128	50.73	0.07	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
129	50.89	0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
130	51.06	0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
131	51.26	0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
132	51.40	0.06	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
133	51.59	0.01	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
134	51.79	0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
135	51.97	0.04	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
136	52.13	0.07	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
137	52.30	0.06	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
138	52.47	0.07	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		PHI		CONF		C		DEL1		DEL2		DEL3		DEL4		TRANSITION	
/		111		0.90		1.7		C.G.		0		-30		0		-30		UNKNOWN	
PCANT	ALPHA	BETA	CNF3	CNF3	CNF3	CNF3	CNF3	CNF3	CNF3	CNF3	CNF3	CNF3	CNF3	CNF3	CNF3	CNF3	CNF3	CNF3	CNF3
135	52.65	0.00	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443
140	52.60	0.00	0.0456	0.0456	0.0456	0.0456	0.0456	0.0456	0.0456	0.0456	0.0456	0.0456	0.0456	0.0456	0.0456	0.0456	0.0456	0.0456	0.0456
141	52.57	0.00	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430
142	52.14	0.10	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417
143	53.29	0.05	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350
144	53.46	0.08	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470
145	53.62	0.00	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510
146	53.79	0.07	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465
147	53.55	0.00	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365
148	54.10	0.07	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363
149	54.27	0.07	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411
150	54.43	0.00	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523
151	54.58	0.04	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323
152	54.73	0.07	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469
153	54.89	0.05	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443
154	55.03	0.00	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363
155	55.16	0.00	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430
156	55.35	0.07	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365
157	55.50	0.03	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362
158	55.65	0.04	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323
159	55.79	0.06	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375
160	55.97	0.03	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376	0.0376
161	56.13	0.00	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365
162	56.20	0.05	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310
163	56.43	0.04	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363	0.0363
164	56.59	-0.01	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430
165	56.75	0.01	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305
166	56.88	0.02	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336	0.0336
167	57.05	-0.01	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337	0.0337
168	57.19	0.02	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365
169	57.35	-0.00	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257
170	57.50	0.01	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310	0.0310
171	57.64	-0.00	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231
172	57.80	-0.01	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
173	57.93	-0.07	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231
174	58.08	-0.07	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152
175	58.21	-0.11	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175
176	58.37	-0.10	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231
177	58.50	-0.13	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151
178	58.51	-0.12	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152

PAGE 1 OF 3
SHEET 1 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH RR10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	112	1.00	1.7	C.G	WING	15	6.0	0	-30	0	-30	UNKNOWN
FLINT	ALPHA	BETA	CN	CLM	CL	CLN	CLL	CA	CAB	CAF	XCP	
1	-5.50	-0.00	-2.1367	7.8726	-0.0102	-0.0456	-0.0029	1.3481	0.3925	0.9556	-3.6845	
2	-5.52	-0.02	-2.1220	7.8540	-0.0323	-0.0645	0.0033	1.3455	0.3912	0.9543	-3.7012	
3	-5.52	-0.01	-2.1366	7.8376	-0.0180	-0.0229	-0.0026	1.3454	0.3943	0.9511	-3.6683	
4	-5.04	-0.01	-2.0118	7.8064	0.0200	-0.0540	-0.0020	1.3347	0.3714	0.9633	-3.6006	
5	-3.24	-0.01	-1.8642	7.6158	0.0685	-0.1604	0.0160	1.3068	0.3631	0.9437	-4.0875	
6	-1.54	-0.01	-1.0125	6.2105	0.0355	-0.0801	0.0051	1.3203	0.3260	0.9943	-4.3482	
7	0.27	-0.01	-1.7381	6.1250	0.0641	-0.1150	0.0056	1.2933	0.3095	0.9838	-4.6746	
8	2.02	-0.01	-1.5047	7.5032	0.0003	-0.0047	0.0002	1.2530	0.2039	0.9691	-5.6250	
9	3.80	-0.01	-1.3489	7.3935	0.0850	-0.1041	0.0064	1.1941	0.2737	0.9204	-5.4814	
10	5.54	-0.01	-1.0454	6.0750	0.0356	-0.0416	0.0007	1.0941	0.2507	0.8423	-6.3887	
11	7.45	-0.01	-0.7450	6.0467	0.0514	-0.0525	0.0072	1.0223	0.2537	0.7666	-8.0758	
12	9.23	-0.01	-0.4315	5.3065	0.0000	-0.0000	0.0134	0.9474	0.2520	0.6948	-12.4579	
13	11.08	-0.02	-0.1162	4.7243	-0.0323	-0.0057	0.0134	0.8717	0.2467	0.6249	-40.6705	
14	12.05	-0.01	0.2351	4.1128	-0.0048	0.0397	0.0203	0.7994	0.2422	0.5572	17.1994	
15	14.75	-0.01	0.5522	3.5146	-0.0066	0.0185	0.0095	0.7067	0.2374	0.4692	5.5350	
16	16.08	-0.02	0.9167	3.0051	-0.0405	0.1021	0.0213	0.6302	0.2344	0.4033	3.3437	
17	18.00	-0.02	1.3245	2.5822	-0.1100	0.3061	0.0216	0.5528	0.2331	0.3197	1.5481	
18	20.50	-0.02	1.6777	2.2751	-0.1206	0.4066	0.0112	0.4605	0.2329	0.2535	1.3505	
19	22.43	-0.03	2.1314	2.1005	-0.2054	0.6522	-0.0109	0.4204	0.2378	0.1686	1.0232	
20	24.41	-0.04	2.7507	2.2753	-0.3476	0.9727	-0.0208	0.3508	0.2300	0.1288	0.8286	
21	26.38	0.02	3.3256	2.4445	-0.4373	-1.0711	0.0671	0.2844	0.2226	0.0618	0.7352	
22	28.31	0.05	3.8145	2.0412	0.0004	-1.5047	0.1111	0.2420	0.2262	0.0140	0.6523	
23	28.35	0.03	3.9151	2.7210	0.5774	-1.2021	0.0701	0.2315	0.2249	0.0066	0.6550	
24	28.74	0.04	4.0408	2.6315	0.7442	-1.7308	0.0943	0.2171	0.2238	-0.0067	0.6503	
25	28.99	0.05	4.1455	2.6053	0.8757	-2.0475	0.1183	0.2264	0.2249	0.0015	0.6294	
26	29.31	0.05	4.2744	2.7435	0.8857	-2.0080	0.1130	0.2041	0.2266	-0.0225	0.6422	
27	29.64	0.04	4.3125	2.8540	0.8371	-1.6785	0.1074	0.2066	0.2262	-0.0196	0.6617	
28	29.92	0.05	4.4037	2.8520	0.8027	-1.0857	0.1081	0.1940	0.2272	-0.0332	0.6404	
29	30.21	0.05	4.5747	2.8765	0.9703	-2.0545	0.1204	0.1953	0.2326	-0.0373	0.6289	
30	30.48	0.04	4.5960	2.8310	0.8504	-1.8613	0.1086	0.1872	0.2252	-0.0360	0.6290	
31	30.76	0.06	4.7573	2.8611	1.1035	-2.5020	0.1274	0.1798	0.2288	-0.0490	0.6013	
32	31.03	0.05	4.7950	3.0151	0.9103	-2.0028	0.0982	0.1607	0.2270	-0.0663	0.6283	
33	31.30	0.07	4.9070	3.0352	1.0871	-2.3653	0.1106	0.1621	0.2304	-0.0663	0.6185	
34	31.59	0.07	5.0434	2.9043	1.1425	-2.6392	0.1230	0.1444	0.2301	-0.0652	0.5875	
35	31.87	0.07	5.1188	3.0066	1.0932	-2.4811	0.1001	0.1281	0.2274	-0.0994	0.5878	
36	32.12	0.07	5.1654	2.8805	1.0705	-2.4344	0.1001	0.1224	0.2263	-0.1035	0.5583	
37	32.41	0.06	5.3741	2.9081	1.0352	-2.3603	0.0662	0.1006	0.2248	-0.1243	0.5411	
38	32.67	0.07	5.3014	2.9450	0.9530	-1.9033	0.0369	0.0898	0.2221	-0.1323	0.5480	
39	32.93	0.04	5.5063	2.8565	0.8075	-2.0010	0.0429	0.0822	0.2229	-0.1407	0.5154	
40	33.19	0.04	5.5057	2.9420	0.7348	-1.6301	0.0197	0.0698	0.2220	-0.1562	0.5283	
41	33.44	0.03	5.6656	2.9255	0.6371	-1.4373	0.0140	0.0510	0.2209	-0.1696	0.5164	
42	33.69	0.02	5.8365	2.9365	0.4576	-0.8237	-0.0035	0.0357	0.2198	-0.1861	0.5031	
43	33.93	0.04	5.8866	3.0470	0.7045	-1.7140	0.0873	0.0455	0.2206	-0.1747	0.5176	
44	34.19	0.03	5.8043	3.0362	0.5586	-1.1182	0.0319	0.0402	0.2217	-0.1815	0.5155	
45	34.43	0.03	6.0146	3.1177	0.4686	-0.9155	0.0553	0.0258	0.2212	-0.1954	0.5184	
46	34.71	0.02	6.1268	3.1051	0.3805	-0.6920	0.0554	0.0153	0.2190	-0.2037	0.5197	

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 0.6											
1 112 1.00 1.7											
PHI CLNF C DEL1 DEL2 DEL3 DEL4 TRANSITION											
U.C. 0.0015 C.C. 0 -30 0 -30 UNKNOWN											
PCINT	ALPHA	BETA	LN	CLM	CY	CLA	CLL	CA	CAU	CAF	XCP
47	34.96	0.02	6.2409	3.1965	0.4342	-0.0627	0.0675	0.0165	0.2179	-0.2014	0.5122
48	35.18	0.04	6.3253	3.1616	0.6152	-1.0065	0.1146	0.0088	0.2194	-0.2106	0.5027
49	35.44	0.02	6.3781	3.2307	0.4231	-0.7447	0.1030	-0.0014	0.2145	-0.2155	0.5065
50	35.69	0.05	6.4416	3.2544	0.6061	-1.1493	0.1156	-0.0093	0.2145	-0.2238	0.5013
51	35.92	0.02	6.5451	3.3550	0.3465	-0.5006	0.1093	-0.0141	0.2065	-0.2226	0.5093
52	36.16	0.04	6.6413	3.4002	0.5140	-0.9230	0.1264	-0.0160	0.2055	-0.2235	0.5082
53	36.41	0.02	6.6552	3.4440	0.2561	-0.3761	0.0952	-0.0406	0.2025	-0.2431	0.5036
54	36.64	0.04	6.6748	3.4256	0.4524	-0.7300	0.1114	-0.0412	0.2022	-0.2434	0.4989
55	36.87	0.04	7.0063	3.2763	0.5316	-1.0091	0.1179	-0.0524	0.1990	-0.2519	0.4676
56	37.11	0.02	7.0675	3.4265	0.3665	-0.6835	0.1063	-0.0551	0.2006	-0.2559	0.4835
57	37.36	0.04	7.1555	3.4375	0.5078	-0.8348	0.1166	-0.0598	0.1930	-0.2526	0.4775
58	37.59	0.03	7.2619	3.3073	0.4465	-0.6276	0.1070	-0.0676	0.1863	-0.2739	0.4554
59	37.82	0.05	7.3718	3.2627	0.6216	-0.9530	0.1367	-0.0731	0.1915	-0.2646	0.4426
60	38.07	0.03	7.4652	3.1466	0.3555	-0.6235	0.1419	-0.0806	0.1836	-0.2724	0.4207
61	38.29	0.03	7.5555	3.1147	0.4241	-0.6126	0.1367	-0.0974	0.1879	-0.2852	0.4133
62	38.54	0.00	7.6652	3.1341	0.1327	-0.3463	0.0439	-0.1255	0.1767	-0.3022	0.4089
63	38.76	0.01	7.7147	3.1813	0.2475	-0.4804	0.0386	-0.1325	0.1741	-0.3066	0.4124
64	38.99	0.03	7.7544	3.0563	0.4115	-0.6231	0.1256	-0.1330	0.1743	-0.3123	0.3919
65	39.20	0.04	7.9769	3.0164	0.3136	-0.5567	0.0975	-0.1450	0.1752	-0.3202	0.3780
66	39.44	0.02	8.0213	3.6615	0.3900	-0.5734	0.0573	-0.1460	0.1688	-0.3146	0.3803
67	39.65	0.02	8.1012	3.0644	0.3558	-0.6438	0.0922	-0.1616	0.1666	-0.3262	0.3783
68	39.85	0.03	8.2007	2.8446	0.4860	-0.7945	0.1446	-0.1513	0.1752	-0.3265	0.3469
69	40.07	0.03	8.1575	2.9522	0.3761	-0.5877	0.0977	-0.1744	0.1678	-0.3427	0.3601
70	40.26	0.02	8.2455	2.9440	0.3425	-0.7076	0.0636	-0.1642	0.1648	-0.3490	0.3570
71	40.48	0.03	8.3250	2.7552	0.4415	-0.7221	0.1335	-0.1681	0.1769	-0.3470	0.3358
72	40.68	0.02	8.5065	2.7655	0.3474	-0.8235	0.0764	-0.1825	0.1756	-0.3581	0.3256
73	40.89	0.01	8.6075	2.8425	0.1561	-0.6501	0.0419	-0.1826	0.1646	-0.3474	0.3310
74	41.11	0.02	8.6651	2.8186	0.3635	-0.7670	0.0997	-0.1834	0.1621	-0.3475	0.3253
75	41.30	0.03	8.7315	2.8714	0.4057	-0.6504	0.1362	-0.1872	0.1640	-0.3512	0.3295
76	41.51	0.02	8.6573	2.8543	0.3654	-0.9189	0.0253	-0.2025	0.1637	-0.3662	0.3262
77	41.73	0.01	8.6065	2.7858	0.2545	-0.7359	0.0660	-0.2068	0.1618	-0.3706	0.3146
78	41.92	0.01	8.5531	2.8107	0.2445	-0.7741	0.0375	-0.2118	0.1621	-0.3739	0.3135
79	42.11	0.01	8.6310	2.8521	0.2454	-0.8671	0.0207	-0.2003	0.1643	-0.3646	0.3202
80	42.31	0.02	9.1057	2.8855	0.3158	-0.3745	0.1132	-0.2043	0.1615	-0.3658	0.3170
81	42.50	0.02	9.0677	2.8656	0.3023	-0.2772	0.1130	-0.1958	0.1644	-0.3602	0.3175
82	42.69	0.01	9.2161	2.8269	0.2562	-0.3563	0.0902	-0.2119	0.1659	-0.3776	0.3069
83	42.87	0.02	9.2164	2.8106	0.2411	-0.2597	0.1019	-0.2107	0.1639	-0.3746	0.3157
84	43.06	0.02	9.3673	2.8116	0.1651	-0.3675	0.1341	-0.1936	0.1788	-0.3726	0.3008
85	43.23	0.02	9.3456	2.8725	0.2586	-0.6561	0.0448	-0.2373	0.1598	-0.3971	0.3074
86	43.41	0.01	9.4661	2.9353	0.1547	-0.0113	0.1021	-0.2240	0.1616	-0.3858	0.3058
87	43.63	0.01	9.6021	2.8561	0.2162	-0.7806	0.0227	-0.2209	0.1652	-0.3861	0.2974
88	43.79	0.01	9.6124	2.8773	0.2461	-0.9256	0.0457	-0.2301	0.1599	-0.3900	0.2993
89	43.96	0.01	9.6265	2.9220	0.2592	-0.1727	0.0742	-0.2331	0.1596	-0.3927	0.3035
90	44.12	0.00	9.7155	2.8162	0.3633	-0.9631	0.0350	-0.2376	0.1609	-0.3985	0.2892
91	44.30	0.00	9.7176	2.8547	0.2458	-0.7168	0.0463	-0.2434	0.1601	-0.4035	0.2979
92	44.51	0.00	9.8264	2.9031	0.1731	-0.3367	0.0696	-0.2511	0.1592	-0.4103	0.2958

PAGE 1 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		RX10-6		PHI	CLNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		112		1.00		1.7		U.C. 0.100F15	U.C.	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	LN	CLM	CV	CLN	CLL	LA	CAB	CAF	ACP			
93	44.67	-0.00	9.8910	2.9717	0.2235	-0.6876	0.0354	-0.2404	0.1614	-0.4018	0.3004			
94	44.87	0.01	10.6208	2.8715	0.2237	-0.6445	0.0475	-0.2436	0.1644	-0.4080	0.2865			
95	45.05	-0.00	10.6299	2.8504	0.0465	-0.2455	0.0687	-0.2584	0.1644	-0.4228	0.2842			
96	45.24	0.00	10.6550	2.7710	0.1480	0.0470	0.0836	-0.2588	0.1627	-0.4215	0.2745			
97	45.39	0.01	10.1016	2.5318	0.2753	-0.4827	0.0477	-0.2449	0.1684	-0.4133	0.2908			
98	45.56	-0.01	10.2514	2.7520	0.0611	-0.1446	0.0592	-0.2535	0.1650	-0.4165	0.2884			
99	45.77	0.00	10.3023	2.7522	0.2108	-0.3308	0.0597	-0.2613	0.1676	-0.4289	0.2716			
100	45.95	-0.01	10.3482	2.8048	0.0691	-0.2283	0.0460	-0.2610	0.1665	-0.4273	0.2710			
101	46.11	0.01	10.4607	2.8018	0.2400	-0.2576	0.0661	-0.2579	0.1637	-0.4216	0.2678			
102	46.29	0.01	10.5079	2.7605	0.2685	-0.7718	0.0495	-0.2431	0.1701	-0.4132	0.2646			
103	46.47	0.01	10.4375	3.2277	0.1428	0.6771	0.0804	-0.2532	0.1690	-0.4222	0.3052			
104	46.65	0.01	10.5052	3.3550	0.2205	0.5008	0.0814	-0.2338	0.1756	-0.4094	0.3157			
105	46.82	0.01	10.6429	2.8451	0.1544	0.2230	0.0709	-0.2635	0.1726	-0.4361	0.2673			
106	46.97	0.01	10.5657	2.8182	0.1615	0.4845	0.0582	-0.1949	0.2235	-0.4188	0.2662			
107	47.17	0.03	10.6567	2.8042	0.3567	0.2783	0.0708	-0.1864	0.2956	-0.4820	0.2631			
108	47.35	0.01	10.8455	2.8864	0.2604	0.3384	0.0536	-0.2108	0.2578	-0.4746	0.2476			
109	47.51	0.03	10.5850	1.7647	0.2792	0.7141	0.0577	-0.2132	0.2756	-0.4885	0.1624			
110	47.68	0.02	11.1121	1.4235	0.2467	0.3024	0.0591	-0.2203	0.3099	-0.5362	0.1281			
111	47.86	0.03	11.3364	1.3355	0.3111	1.1193	0.0392	-0.1987	0.3185	-0.5172	0.0913			
112	48.05	0.04	11.4257	0.7128	0.3154	1.4080	0.0148	-0.1865	0.3366	-0.5031	0.0624			
113	48.20	0.04	11.2075	0.9560	0.3211	1.0575	0.0446	-0.2026	0.3323	-0.5345	0.0853			
114	48.40	0.05	11.5657	0.4001	0.4359	1.4261	0.0094	-0.1131	0.3698	-0.4829	0.0352			
115	48.58	0.04	11.6506	0.3284	0.4073	1.3595	0.0101	-0.1155	0.3671	-0.4846	0.0261			
116	48.75	0.06	11.4550	-0.3736	0.4518	1.3546	0.0153	-0.1145	0.3610	-0.4955	-0.0313			
117	48.92	0.05	11.5580	-0.4748	0.3713	1.5776	0.0081	-0.1160	0.3802	-0.4962	-0.0397			
118	49.10	0.05	12.1215	-0.3407	0.2834	2.0057	0.0085	-0.1123	0.3802	-0.4925	-0.0452			
119	49.28	0.05	12.2605	-0.2330	0.3750	1.9204	0.0096	-0.1144	0.3791	-0.4935	-0.0190			
120	49.44	0.07	12.1441	-0.5336	0.5100	1.8053	0.0091	-0.1120	0.3843	-0.4963	-0.0439			
121	49.63	0.06	12.2751	-0.3558	0.4560	1.8307	0.0098	-0.1229	0.3719	-0.4948	-0.0450			
122	49.81	0.07	12.4473	-0.2500	0.5131	1.7892	0.0105	-0.1400	0.3689	-0.5089	-0.0232			
123	49.98	0.06	12.4516	-0.3511	0.4724	1.9008	0.0101	-0.1384	0.3704	-0.5088	-0.0282			
124	50.15	0.06	12.3421	-0.3471	0.4550	1.8854	0.0096	-0.1425	0.3680	-0.5105	-0.0281			
125	50.34	0.04	12.6839	-0.4866	0.2557	1.8064	0.0232	-0.1444	0.3722	-0.5166	-0.0385			
126	50.50	0.05	12.6625	-0.5535	0.4143	1.4774	0.0163	-0.1558	0.3753	-0.5311	-0.0437			
127	50.71	0.04	12.8643	-0.9520	0.4086	1.1139	0.0202	-0.1576	0.3726	-0.5302	-0.0739			
128	50.88	0.03	12.8542	-0.9688	0.2656	1.2033	0.0250	-0.1628	0.3749	-0.5377	-0.0754			
129	51.06	0.04	12.8815	-0.8383	0.5103	0.6821	0.0450	-0.1612	0.3771	-0.5383	-0.0849			
130	51.23	0.03	12.8464	-0.5662	0.4011	0.5522	0.0443	-0.1546	0.3845	-0.5441	-0.0456			
131	51.37	0.02	12.8442	-0.8525	0.3178	0.7601	0.0449	-0.1895	0.3828	-0.5723	-0.0695			
132	51.55	0.03	12.7441	-0.5032	0.3536	0.8026	0.0620	-0.1639	0.3873	-0.5512	-0.0355			
133	51.71	0.03	12.8860	-0.2788	0.4019	0.7222	0.0566	-0.1436	0.3977	-0.5415	-0.0218			
134	51.87	0.02	12.8565	-0.1552	0.3583	0.8269	0.0562	-0.1500	0.3970	-0.5520	-0.0123			
135	52.04	0.01	12.8430	-0.1316	0.3225	0.8409	0.0582	-0.1680	0.3930	-0.5610	-0.0104			
136	52.21	0.01	12.8224	-0.2418	0.3346	0.8405	0.0542	-0.1331	0.4050	-0.5381	-0.0189			
137	52.37	0.01	12.5873	-0.0670	0.3618	0.8788	0.0502	-0.1479	0.3945	-0.5424	-0.0055			
138	52.57	0.01	12.8815	-0.1364	0.3475	0.8502	0.0455	-0.1442	0.3987	-0.5443	-0.0106			

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIC-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	112	1.00	1.7	0.0	81b0F15	C.C	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CLN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
139	52.72	0.01	12.238C	0.0019	0.3505	0.9087	0.0451	-0.1697	0.3947	-0.5644	0.0001
140	52.89	0.00	12.8002	-0.1388	0.2637	0.4575	0.0451	-0.1607	0.3921	-0.5528	-0.0108
141	53.08	-0.00	12.5756	-0.2333	0.2105	0.6227	0.0406	-0.1332	0.3982	-0.5284	-0.0180
142	53.24	-0.01	12.4438	-0.2772	0.1888	0.8047	0.0341	-0.1444	0.3904	-0.5428	-0.0214
143	53.40	-0.01	12.4753	-0.3451	0.1732	0.8170	0.0345	-0.1410	0.4061	-0.5501	-0.0268
144	53.59	-0.02	13.1899	-0.4110	0.1279	0.6497	0.0418	-0.1396	0.4085	-0.5481	-0.0312
145	53.76	-0.01	13.1050	-0.4514	0.2241	0.6005	0.0415	-0.1455	0.4130	-0.5585	-0.0329
146	53.91	-0.01	13.0129	-0.3585	0.1877	0.6236	0.0413	-0.1136	0.4134	-0.5440	-0.0305
147	54.10	-0.03	13.7168	-0.3857	0.0040	0.6391	0.0420	-0.1357	0.4134	-0.5521	-0.0297
148	54.29	-0.00	13.1402	-0.3437	0.2175	0.4601	0.0480	-0.1357	0.4096	-0.5493	-0.0300

PAGE 4 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH FRIC=6												
1 112 1.00 1.7												
G.O BLNCF15 G.O 0 -30 0 -30 UNKNOWN												
FCINT	ALPHA	BETA	CNF1	CH1	COL	XCPF1	YCPF1	CNF2	CH2	CH2	XCPF2	YCPF2
1	-5.90	-0.00	-0.0162	0.0033	0.0183	-0.2038	-1.1296	-1.0970	0.0003	-0.5006	-0.0003	0.4563
2	-5.92	-0.02	-0.0174	0.0033	0.0177	-0.1897	-1.0172	-1.0877	0.0	-0.4956	0.0	0.4556
3	-5.92	-0.01	-0.0167	0.0031	0.0163	-0.1574	-0.8274	-1.0936	0.0003	-0.4975	-0.0003	0.4562
4	-5.04	-0.01	-0.0163	0.0036	0.0184	-0.2332	-1.1286	-1.0835	-0.0006	-0.4953	0.0006	0.4571
5	-3.24	-0.01	-0.0160	0.0036	0.0166	-0.2251	-1.0530	-1.0819	-0.0008	-0.5011	0.0007	0.4632
6	-1.54	-0.01	-0.0111	0.0040	0.0166	-0.3805	-1.0135	-1.1532	-0.0003	-0.5534	0.0003	0.4803
7	0.27	-0.01	-0.0108	0.0032	0.0142	-0.2504	-1.3518	-1.1257	-0.0152	-0.5570	0.0135	0.4548
8	2.02	-0.01	-0.0083	0.0033	0.0144	-0.3577	-1.7349	-1.1004	-0.0073	-0.5604	0.0066	0.5052
9	3.80	-0.01	-0.0045	0.0030	0.0146	-0.0869	-3.2869	-1.0034	-0.0055	-0.5187	0.0059	0.5170
10	5.59	-0.01	-0.0150	0.0013	0.0160	-0.0823	-1.0127	-0.8842	-0.0103	-0.4581	0.0117	0.5181
11	7.45	-0.01	-0.0152	0.0005	0.0167	-0.0455	-0.9444	-0.7612	-0.0122	-0.4074	0.0161	0.5352
12	9.23	-0.01	-0.0053	-0.0011	0.0254	0.1483	-2.7049	-0.8442	-0.0118	-0.3579	0.0182	0.5514
13	11.06	-0.02	-0.0115	-0.0006	0.0236	0.0522	-2.0522	-0.5393	-0.0102	-0.3127	0.0189	0.5798
14	12.86	-0.01	-0.0212	0.0006	0.0206	-0.0203	-0.9717	-0.4233	-0.0077	-0.2660	0.0182	0.6284
15	14.75	-0.01	-0.0567	-0.0001	0.0162	0.0027	-0.4414	-0.3142	-0.0045	-0.2150	0.0156	0.6842
16	16.08	-0.02	-0.0417	-0.0002	0.0162	0.0048	-0.3844	-0.2215	-0.0008	-0.1765	0.0036	0.7570
17	16.80	-0.02	-0.0552	-0.0031	0.0175	0.0563	-0.3176	-0.1389	0.0045	-0.1326	-0.0325	0.9546
18	20.30	-0.02	-0.0668	-0.0022	0.0142	0.0530	-0.2129	-0.0633	0.0114	-0.0945	-0.1605	1.4937
19	22.43	-0.03	-0.1347	-0.0115	-0.0242	0.0555	0.1799	-0.0134	0.0202	-0.0715	-1.5081	5.3283
20	24.41	-0.04	-0.1457	-0.0076	-0.0401	0.0530	0.3294	0.0314	0.0252	-0.0513	0.0029	-1.6306
21	26.38	-0.02	-0.1582	0.0217	0.1225	0.1056	0.6197	0.1716	0.0325	0.0006	0.1851	0.0035
22	26.31	0.05	0.3206	0.0255	0.1864	0.0534	0.5011	0.2255	0.0395	0.0264	0.1750	0.1172
23	26.35	0.03	0.1515	0.0175	0.1200	0.0536	0.6268	0.1968	0.0425	0.0163	0.2147	0.0531
24	26.74	0.04	0.2415	0.0205	0.1306	0.0865	0.6225	0.2073	0.0433	0.0256	0.2088	0.1237
25	28.55	0.05	0.3816	0.0255	0.2071	0.0617	0.5725	0.2423	0.0423	0.0392	0.1744	0.1620
26	29.31	0.05	0.2604	0.0218	0.1576	0.0838	0.6059	0.2308	0.0466	0.0342	0.2018	0.1484
27	29.64	0.04	0.3376	0.0272	0.1877	0.0836	0.5557	0.2526	0.0430	0.0456	0.1701	0.1903
28	29.92	0.05	0.3057	0.0201	0.1767	0.0639	0.5781	0.2418	0.0456	0.0416	0.1885	0.1718
29	30.21	0.05	0.2923	0.0151	0.1734	0.0655	0.5934	0.2415	0.0458	0.0404	0.1937	0.1675
30	30.48	0.04	0.3305	0.0248	0.1502	0.0650	0.5498	0.2668	0.0405	0.0534	0.1742	0.2006
31	30.76	0.06	0.3451	0.0222	0.2005	0.0654	0.5756	0.2785	0.0489	0.0568	0.1755	0.2110
32	31.03	0.05	0.3268	0.0228	0.1607	0.0645	0.5530	0.2850	0.0507	0.0621	0.1778	0.2178
33	31.30	0.07	0.3567	0.0245	0.1544	0.0668	0.5450	0.2915	0.0505	0.0642	0.1732	0.2202
34	31.59	0.07	0.3542	0.0236	0.1455	0.0667	0.5633	0.2998	0.0511	0.0662	0.1704	0.2275
35	31.87	0.07	0.3501	0.0245	0.1515	0.0701	0.5482	0.3210	0.0532	0.0776	0.1657	0.2417
36	32.14	0.07	0.3245	0.0238	0.1811	0.0735	0.5585	0.3395	0.0534	0.0877	0.1587	0.2583
37	32.41	0.06	0.2523	0.0238	0.1638	0.0616	0.5805	0.3532	0.0546	0.0965	0.1545	0.2732
38	32.67	0.07	0.1625	0.0175	0.0954	0.1079	0.5503	0.3545	0.0542	0.0972	0.1679	0.2758
39	32.93	0.04	0.2743	0.0246	0.1476	0.0898	0.5387	0.3797	0.0565	0.1106	0.1488	0.2514
40	33.19	0.04	0.1170	0.0164	0.0653	0.1405	0.5577	0.3609	0.0594	0.1018	0.1659	0.2821
41	33.44	0.03	0.1145	0.0160	0.0650	0.1399	0.5673	0.3714	0.0616	0.1082	0.1659	0.2915
42	33.66	0.02	0.0617	0.0130	0.0336	0.2111	0.5425	0.3633	0.0615	0.1037	0.1693	0.2855
43	33.95	0.04	0.2487	0.0164	0.1428	0.0741	0.5741	0.3679	0.0586	0.1050	0.1593	0.2855
44	34.19	0.03	0.1202	0.0135	0.0738	0.1072	0.5849	0.3729	0.0607	0.1093	0.1628	0.2932
45	34.45	0.03	0.1375	0.0107	0.0626	0.0777	0.5991	0.3504	0.0612	0.0984	0.1746	0.2805
46	34.71	0.02	0.1332	0.0050	0.0850	0.0376	0.6383	0.3516	0.0624	0.0997	0.1775	0.2836

PAGE 2 OF 3
 SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACF X10 ⁻⁵				PHI	CKF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
1 112 1.00 1.7				0.0	0.00015	0.0	0	-30	0	-30	UNKNOWN		
FLINT	ALPHA	BETA	CNF1	CHI	CUL	XCFF1	YCFF1	CNF2	CHI2	CUL2	XCFF2	YCFF2	
47	34.96	0.02	0.1635	0.0003	0.0565	0.0385	0.5913	0.3342	0.0624	0.0901	0.1867	0.2696	
48	35.10	0.04	0.1275	0.0040	0.0081	0.0370	0.6091	0.3312	0.0638	0.0905	0.1926	0.2733	
49	35.46	0.02	0.2425	0.0000	0.1396	0.0330	0.5754	0.3474	0.0628	0.0953	0.1808	0.2859	
50	35.69	0.05	0.2685	0.0112	0.1473	0.0430	0.5477	0.3534	0.0636	0.1027	0.1789	0.2890	
51	35.92	0.02	0.2002	0.0052	0.1245	0.0200	0.6235	0.3334	0.0666	0.0957	0.2004	0.2871	
52	36.16	0.04	0.2750	0.0110	0.1585	0.0422	0.5703	0.3540	0.0671	0.1045	0.1851	0.2946	
53	36.41	0.02	0.2211	0.0007	0.1244	0.0354	0.5625	0.3464	0.0694	0.1012	0.2304	0.2522	
54	36.64	0.04	0.1720	0.0040	0.1085	0.0232	0.6200	0.3350	0.0703	0.0566	0.2095	0.2879	
55	36.87	0.04	0.2703	0.0112	0.1530	0.0415	0.5601	0.3648	0.0695	0.1091	0.1905	0.2991	
56	37.11	0.02	0.2360	0.0042	0.1310	0.0300	0.5409	0.3511	0.0715	0.1038	0.2037	0.2957	
57	37.36	0.04	0.1785	0.0080	0.1134	0.0448	0.6340	0.3510	0.0725	0.1038	0.2066	0.2958	
58	37.59	0.03	0.2587	0.0103	0.1480	0.0345	0.5720	0.3780	0.0714	0.1179	0.1689	0.3121	
59	37.82	0.05	0.2713	0.0150	0.1545	0.0480	0.5654	0.3753	0.0715	0.1144	0.1914	0.3050	
60	38.07	0.03	0.2362	0.0112	0.1354	0.0403	0.6003	0.3601	0.0725	0.1166	0.1908	0.3122	
61	38.29	0.03	0.2652	0.0141	0.1480	0.0525	0.5490	0.3908	0.0728	0.1244	0.1863	0.3182	
62	38.54	0.00	0.1647	0.0101	0.0583	0.0506	0.5564	0.3900	0.0731	0.1272	0.1834	0.3189	
63	38.76	0.01	0.0971	0.0050	0.0000	0.0526	0.6237	0.4269	0.0726	0.1419	0.1701	0.3323	
64	38.99	0.03	0.2421	0.0150	0.1381	0.0538	0.5703	0.4120	0.0737	0.1348	0.1789	0.3271	
65	39.20	0.02	0.1505	0.0133	0.0516	0.0691	0.5793	0.4174	0.0734	0.1379	0.1759	0.3303	
66	39.44	0.02	0.1313	0.0133	0.0710	0.1015	0.5454	0.4255	0.0732	0.1413	0.1721	0.3320	
67	39.65	0.02	0.0180	0.0152	0.0036	0.0071	0.5706	0.4307	0.0743	0.1429	0.1725	0.3317	
68	39.85	0.03	0.2715	0.0206	0.1445	0.0760	0.5336	0.4171	0.0757	0.1364	0.1815	0.3265	
69	40.07	0.03	0.1000	0.0141	0.0587	0.1307	0.5431	0.4563	0.0740	0.1552	0.1622	0.3401	
70	40.26	0.02	0.1001	0.0100	0.0884	0.1015	0.5322	0.4549	0.0747	0.1535	0.1643	0.3374	
71	40.48	0.03	0.1000	0.0175	0.0372	0.1003	0.5172	0.4602	0.0750	0.1600	0.1602	0.3417	
72	40.60	0.02	0.1407	0.0107	0.0000	0.1200	0.4492	0.4608	0.0754	0.1604	0.1616	0.3436	
73	40.85	0.01	0.1277	0.0171	0.0581	0.1342	0.4549	0.4601	0.0765	0.1551	0.1663	0.3371	
74	41.11	0.02	0.1031	0.0156	0.0085	0.1003	0.4833	0.4405	0.0771	0.1461	0.1727	0.3316	
75	41.30	0.03	0.1640	0.0175	0.0046	0.1005	0.5159	0.4384	0.0778	0.1442	0.1775	0.3288	
76	41.51	0.02	0.1258	0.0185	0.0517	0.1474	0.4100	0.4653	0.0770	0.1577	0.1655	0.3386	
77	41.73	0.01	0.1050	0.0205	0.0015	0.1239	0.4846	0.4519	0.0779	0.1496	0.1725	0.3310	
78	41.94	0.01	0.1201	0.0175	0.0074	0.1492	0.3942	0.4517	0.0785	0.1524	0.1739	0.3385	
79	42.11	0.01	0.0542	0.0154	0.0300	0.1837	0.3185	0.4600	0.0776	0.1558	0.1670	0.3343	
80	42.31	0.02	0.1525	0.0185	0.0700	0.1212	0.5023	0.4257	0.0603	0.1392	0.1887	0.3265	
81	42.50	0.02	0.1502	0.0201	0.0557	0.1058	0.4979	0.4039	0.0829	0.1273	0.2053	0.3151	
82	42.69	0.01	0.1704	0.0195	0.0000	0.1107	0.4921	0.4025	0.0826	0.1288	0.2058	0.3195	
83	42.87	0.02	0.1242	0.0156	0.0013	0.1259	0.4935	0.4259	0.0819	0.1400	0.1924	0.3280	
84	43.06	0.02	0.1424	0.0165	0.0735	0.1101	0.5190	0.4013	0.0844	0.1300	0.2104	0.3235	
85	43.23	0.02	0.1113	0.0145	0.0440	0.1340	0.3948	0.4571	0.0803	0.1545	0.1758	0.3389	
86	43.41	0.01	0.1240	0.0151	0.0090	0.1052	0.5530	0.3910	0.0847	0.1233	0.2167	0.3152	
87	43.60	0.01	0.0544	0.0145	0.0311	0.1381	0.3298	0.4616	0.0802	0.1576	0.1738	0.3414	
88	43.79	0.01	0.1005	0.0132	0.0437	0.1315	0.4343	0.4438	0.0822	0.1476	0.1853	0.3325	
89	43.96	0.01	0.1020	0.0100	0.0433	0.1359	0.4206	0.4478	0.0823	0.1506	0.1838	0.3382	
90	44.12	0.00	0.0655	0.0140	0.0315	0.1507	0.3523	0.4452	0.0816	0.1570	0.1782	0.3415	
91	44.30	0.00	0.1005	0.0133	0.0450	0.1407	0.4127	0.4577	0.0828	0.1504	0.1810	0.3417	
92	44.51	0.00	0.0580	0.0142	0.0432	0.1448	0.4393	0.4460	0.0828	0.1518	0.1857	0.3403	

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

PLANT	ALPHA	BETA	CNF1	CM1	LB1	XCPF1	YCPF1	CNF2	CM2	LB2	XCPF2	YCPF2
93	44.67	0.00	0.00545	0.0150	0.0317	0.1590	0.3350	0.4677	0.0521	0.1622	0.1756	0.3468
94	44.67	0.01	0.0047	0.0142	0.0310	0.1679	0.3004	0.4590	0.0604	0.1572	0.1754	0.3420
95	45.05	0.00	0.00734	0.0115	0.0342	0.1570	0.4600	0.4403	0.0600	0.1492	0.1922	0.3388
96	45.24	0.00	0.0145	0.0123	0.0350	0.1654	0.4704	0.4403	0.0602	0.1520	0.1887	0.3405
97	45.34	0.01	0.0022	0.0125	0.0327	0.1572	0.3983	0.4532	0.0635	0.1552	0.1843	0.3425
98	45.50	0.01	0.0081	0.0127	0.0355	0.1444	0.4034	0.4408	0.0600	0.1505	0.1906	0.3414
99	45.77	0.00	0.0021	0.0130	0.0352	0.1506	0.4122	0.4405	0.0637	0.1494	0.1899	0.3388
100	45.75	0.01	0.0060	0.0136	0.0312	0.1500	0.3624	0.4449	0.0637	0.1588	0.1841	0.3491
101	46.11	0.01	0.00735	0.0116	0.0312	0.1613	0.4228	0.4155	0.0643	0.1403	0.2030	0.3376
102	46.25	0.01	0.0003	0.0131	0.0203	0.1634	0.3524	0.4360	0.0631	0.1496	0.1907	0.3431
103	46.47	0.01	0.0054	0.0102	0.0202	0.1750	0.4494	0.3964	0.0655	0.1334	0.2158	0.3364
104	46.65	0.01	0.0040	0.0077	0.0206	0.1425	0.4416	0.3792	0.0657	0.1250	0.2261	0.3255
105	46.82	0.01	0.0037	0.0135	0.0315	0.1663	0.3766	0.4417	0.0639	0.1540	0.1900	0.3486
106	46.97	0.01	0.0000	0.0165	0.0400	0.1559	0.3777	0.5575	0.0600	0.1607	0.1436	0.3522
107	47.17	0.03	0.0054	0.0072	0.0301	0.1039	0.4343	0.4358	0.0632	0.1512	0.1910	0.3465
108	47.35	0.01	0.0042	0.0050	0.0200	0.1604	0.3645	0.5034	0.0624	0.1600	0.1637	0.3655
109	47.51	0.03	0.0026	0.0153	0.0015	0.5171	0.0507	0.6002	0.0799	0.2328	0.1332	0.3678
110	47.68	0.02	0.0040	0.0154	0.0116	0.4150	0.2548	0.5923	0.0603	0.2235	0.1356	0.3773
111	47.68	0.03	0.0055	0.0066	0.0386	0.1578	0.6918	0.5134	0.0798	0.1641	0.1555	0.3586
112	48.05	0.04	0.0050	0.0062	0.0373	0.1114	0.0697	0.5255	0.0794	0.1505	0.1511	0.3625
113	48.20	0.04	0.0014	0.0114	0.0200	0.5324	1.2430	0.5501	0.0611	0.2033	0.1475	0.3657
114	48.40	0.05	0.0004	0.0026	0.0342	0.0517	0.6799	0.5119	0.0756	0.1615	0.1477	0.3546
115	48.58	0.04	0.0021	0.0027	0.0599	0.7007	0.5162	0.0748	0.1618	0.1449	0.3522	
116	48.75	0.06	0.0000	0.0011	0.0140	0.1018	2.1471	0.5215	0.0744	0.1822	0.1427	0.3494
117	48.92	0.05	0.0052	0.0051	0.0122	0.5566	1.3261	0.5256	0.0740	0.1852	0.1408	0.3524
118	49.10	0.05	0.0021	0.0051	0.0180	0.3240	0.0406	0.5215	0.0744	0.1822	0.1427	0.3494
119	49.26	0.05	0.0000	0.0072	0.0064	1.2005	1.0667	0.5222	0.0742	0.1813	0.1421	0.3472
120	49.44	0.07	0.0015	0.0000	0.0002	0.0725	0.6891	0.5269	0.0741	0.1625	0.1407	0.3464
121	49.63	0.06	0.0001	0.0072	0.0042	72.0287	42.0000	0.5297	0.0740	0.1822	0.1398	0.3440
122	49.81	0.07	0.0007	0.0054	0.0014	13.4339	2.0000	0.5208	0.0740	0.1823	0.1411	0.3448
123	49.98	0.06	0.0018	0.0114	0.0034	6.3359	1.8809	0.5423	0.0740	0.1883	0.1380	0.3473
124	50.15	0.06	0.0000	0.0126	0.0007	1.2534	0.0707	0.5378	0.0743	0.1823	0.1382	0.3390
125	50.34	0.04	0.0025	0.0104	0.0132	0.4543	0.5764	0.5517	0.0753	0.1851	0.1365	0.3428
126	50.50	0.05	0.0011	0.0125	0.0155	0.4021	0.0270	0.5593	0.0707	0.1984	0.1372	0.3546
127	50.71	0.04	0.0062	0.0054	0.0327	0.0710	0.4297	0.5844	0.0767	0.2034	0.1313	0.3481
128	50.88	0.03	0.0052	0.0065	0.0315	0.0806	0.4248	0.6007	0.0763	0.2108	0.1271	0.3508
129	51.06	0.04	0.0027	0.0012	0.0354	0.0130	0.3823	0.5750	0.0762	0.1961	0.1326	0.3411
130	51.23	0.03	0.0001	0.0025	0.0314	0.0330	0.3506	0.5689	0.0759	0.1952	0.1335	0.3432
131	51.37	0.02	0.0000	0.0001	0.0286	0.0013	0.3575	0.6026	0.0759	0.2105	0.1260	0.3492
132	51.55	0.03	0.0004	0.0055	0.0220	0.0763	0.3129	0.5583	0.0749	0.1888	0.1342	0.3382
133	51.71	0.03	0.0058	0.0057	0.0144	0.1062	0.2682	0.5474	0.0742	0.1846	0.1356	0.3373
134	51.87	0.02	0.0000	0.0000	0.0112	0.1253	0.2336	0.5480	0.0748	0.1827	0.1365	0.3335
135	52.04	0.01	0.00451	0.0002	0.0125	0.1266	0.2633	0.5499	0.0752	0.1857	0.1368	0.3378
136	52.21	0.01	0.0070	0.0054	0.0032	0.1943	0.1151	0.5515	0.0738	0.1841	0.1339	0.3339
137	52.37	0.01	0.0000	0.0042	0.0025	0.1501	0.0893	0.5438	0.0746	0.1831	0.1372	0.3368
138	52.57	0.01	0.0052	0.0040	0.0036	0.1370	0.1233	0.5440	0.0735	0.1825	0.1352	0.3355

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		XX10-6		PHI	CCNF	I	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		112		1.00		1.7	0.0	0.100F15	0.0	0	-30	0	-30 UNKNOWN
PLANT	ALPHA	BETA	CNF1	CH1	CB1	ACPF1	YCPF1	CNF2	CH2	CB2	ACPF2	YCPF2	
135	52.72	0.01	0.0256	0.0035	0.0027	0.1368	0.1055	0.5488	0.0740	0.1839	0.1349	0.3353	
140	52.89	0.00	0.0221	0.0042	-0.0003	0.1901	-0.0136	0.5544	0.0754	0.1873	0.1360	0.3376	
141	53.08	-0.00	0.0127	0.0027	-0.0036	0.2127	-0.2835	0.5600	0.0743	0.1893	0.1327	0.3381	
142	53.24	-0.01	0.0175	0.0015	-0.0047	0.2406	-0.5949	0.5641	0.0733	0.1896	0.1300	0.3362	
143	53.40	-0.01	0.0030	0.0023	-0.0057	0.7670	-1.9000	0.5756	0.0735	0.1936	0.1276	0.3361	
144	53.59	-0.02	0.0157	0.0017	0.0007	0.0803	0.0355	0.5656	0.0707	0.1845	0.1250	0.3351	
145	53.76	-0.01	0.0288	0.0022	0.0037	0.0821	0.1381	0.5738	0.0706	0.1913	0.1231	0.3334	
146	53.91	-0.01	0.0054	0.0025	-0.0034	0.5373	-1.0000	0.5621	0.0716	0.1858	0.1278	0.3306	
147	54.10	-0.03	0.0313	0.0022	0.0068	0.0735	0.2173	0.5724	0.0693	0.1907	0.1211	0.3332	
148	54.24	-0.00	0.0230	0.0020	0.0036	0.0870	0.1652	0.5751	0.0694	0.1905	0.1207	0.3320	

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACP	FX10-E	PHI	CONF	L	DEL1	DEL2	CEL3	CEL4	TRANSITION	
7		112	1.00	1.7	0.0	BLNGF15	G.C	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.90	-0.00	0.0031	5.9999	0.0040	5.9999	0.0035	-1.2299	0.0007	-0.4544	-0.0006	0.3694
2	-5.92	-0.02	0.0033	5.9999	0.0027	5.9999	0.0050	-1.2314	0.0008	-0.4541	-0.0007	0.3687
3	-5.92	-0.01	0.0018	5.9999	0.0025	5.9999	0.0070	-1.2259	0.0010	-0.4527	-0.0008	0.3692
4	-5.09	-0.01	0.0054	5.9999	0.0044	5.9999	0.0090	-1.2190	-0.0005	-0.4519	0.0004	0.3769
5	-3.24	-0.01	0.0054	5.9999	0.0044	5.9999	0.0088	-1.1716	-0.0037	-0.4342	0.0032	0.3708
6	-1.54	-0.01	0.0033	5.9999	0.0081	5.9999	0.1242	-1.0270	-0.0078	-0.4518	0.0061	0.3844
7	0.27	-0.01	0.0053	5.9999	0.0033	5.9999	0.1141	-1.2509	-0.0187	-0.4598	0.0145	0.3970
8	2.02	-0.01	0.0050	5.9999	0.0081	5.9999	0.1375	-1.0207	-0.0106	-0.5059	0.0085	0.4100
9	3.80	-0.01	0.0054	5.9999	0.0051	5.9999	0.1394	-1.1425	-0.0109	-0.4683	0.0096	0.4096
10	5.59	-0.01	0.0079	5.9999	0.0075	5.9999	0.1298	-1.0155	-0.0130	-0.4119	0.0130	0.4056
11	7.45	-0.01	0.0079	5.9999	0.0068	5.9999	0.0796	-0.9032	-0.0165	-0.3589	0.0183	0.3574
12	9.23	-0.01	0.0079	5.9999	0.0083	5.9999	0.1224	-0.7024	-0.0159	-0.3052	0.0204	0.3901
13	11.08	-0.02	0.0065	5.9999	0.0023	5.9999	0.0381	-0.6726	-0.0147	-0.2623	0.0219	0.3906
14	12.89	-0.01	0.0030	5.9999	0.0026	5.9999	0.0318	-0.5069	-0.0120	-0.2089	0.0212	0.3684
15	14.75	-0.01	0.0031	5.9999	0.0001	5.9999	0.0316	-0.4528	-0.0085	-0.1524	0.0186	0.3368
16	16.60	-0.02	0.0035	5.9999	0.0003	5.9999	0.0346	-0.3454	-0.0031	-0.1062	0.0090	0.3075
17	18.60	-0.02	0.0017	5.9999	0.0005	5.9999	0.0381	-0.2281	0.0037	-0.0592	-0.0162	0.2594
18	20.50	-0.02	0.0073	5.9999	0.0081	5.9999	0.1047	-0.1505	0.0115	-0.0262	-0.0765	0.1743
19	22.43	-0.03	0.0077	5.9999	0.0024	5.9999	0.0355	-0.0901	0.0198	0.0012	-0.2201	-0.0133
20	24.41	-0.04	0.0035	5.9999	0.0021	5.9999	0.0329	-0.0506	0.0245	0.0178	-0.4053	-0.3525
21	26.38	-0.02	0.0065	5.9999	0.0022	5.9999	0.1310	-0.0623	0.0316	0.0180	-0.5066	-0.2894
22	28.31	0.05	0.0050	5.9999	0.0157	5.9999	0.2063	-0.0459	0.0379	0.0246	-0.8257	-0.5415
23	28.35	0.03	0.0043	5.9999	0.0156	5.9999	0.2081	-0.0121	0.0403	0.0395	-3.3236	-3.2645
24	28.74	0.04	0.0044	5.9999	0.0154	5.9999	0.2030	-0.0221	0.0406	0.0353	-1.8333	-1.5573
25	28.99	0.05	0.0043	5.9999	0.0201	5.9999	0.2134	-0.0429	0.0401	0.0264	-0.9350	-0.6168
26	29.31	0.05	0.0053	5.9999	0.0187	5.9999	0.2096	-0.0150	0.0420	0.0352	-3.2244	-3.0154
27	29.64	0.04	0.0042	5.9999	0.0201	5.9999	0.2138	-0.0249	0.0406	0.0330	-1.6272	-1.3253
28	29.92	0.05	0.0117	5.9999	0.0230	5.9999	0.2323	-0.0007	0.0453	0.0444	-64.5972	-63.2857
29	30.21	0.05	0.0055	5.9999	0.0153	5.9999	0.2135	-0.0023	0.0456	0.0427	-19.7905	-18.5217
30	30.48	0.04	0.0054	5.9999	0.0217	5.9999	0.2277	-0.0069	0.0465	0.0415	-6.7273	-6.0000
31	30.76	0.06	0.0028	5.9999	0.0252	5.9999	0.2454	0.0031	0.0487	0.0446	15.8837	14.3548
32	31.03	0.05	0.0116	5.9999	0.0236	5.9999	0.2325	0.0118	0.0507	0.0482	4.2858	4.0763
33	31.30	0.07	0.0057	5.9999	0.0228	5.9999	0.2336	0.0060	0.0500	0.0472	6.2400	5.8875
34	31.59	0.07	0.0100	5.9999	0.0255	5.9999	0.2387	0.0220	0.0528	0.0524	2.3964	2.3773
35	31.87	0.07	0.0140	5.9999	0.0267	5.9999	0.2370	0.0245	0.0533	0.0542	2.1723	2.2082
36	32.12	0.07	0.0118	5.9999	0.0150	5.9999	0.2072	0.0283	0.0541	0.0550	1.5089	1.9611
37	32.41	0.06	0.0125	5.9999	0.0252	5.9999	0.2451	0.0410	0.0557	0.0621	1.3403	1.4940
38	32.67	0.07	0.0053	5.9999	0.0230	5.9999	0.2319	0.0172	0.0573	0.0778	0.7422	1.0078
39	32.93	0.04	0.0053	5.9999	0.0230	5.9999	0.2319	0.0371	0.0582	0.0687	1.0157	1.2039
40	33.19	0.04	0.0052	5.9999	0.0190	5.9999	0.2005	0.0910	0.0579	0.0652	0.6361	0.9362
41	33.44	0.03	0.0071	5.9999	0.0176	5.9999	0.2023	0.1124	0.0599	0.0938	0.5327	0.8344
42	33.69	0.02	0.0055	5.9999	0.0203	5.9999	0.2271	0.1417	0.0601	0.1074	0.4242	0.7583
43	33.95	0.04	0.0053	5.9999	0.0245	5.9999	0.2270	0.1291	0.0631	0.1023	0.4689	0.7529
44	34.19	0.03	0.0065	5.9999	0.0162	5.9999	0.2005	0.1443	0.0617	0.1118	0.4133	0.7492
45	34.43	0.03	0.0724	5.9999	0.0135	5.9999	0.1867	0.1730	0.0626	0.1215	0.3510	0.7031
46	34.71	0.02	0.0748	5.9999	0.0147	5.9999	0.1906	0.1919	0.0640	0.1300	0.3335	0.6771

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		X10-6		PHI	CNPF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION
1		112		1.0		0.0	0.0	0.0	0	-30	0	-30	UNKNOWN
FLINT	ALPHA	BETA	CNF1	CM3	CB3	XCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4	
47	34.96	0.02	0.0711	5.5555	0.0130	5.5555	0.1631	0.1933	0.0636	0.1312	0.3300	0.6784	
48	35.10	0.04	0.0723	5.5555	0.0145	5.5555	0.2006	0.2044	0.0645	0.1377	0.3074	0.6560	
49	35.44	0.02	0.0760	5.5555	0.0165	5.5555	0.2146	0.2006	0.0660	0.1331	0.3260	0.6632	
50	35.69	0.05	0.0746	5.5555	0.0147	5.5555	0.1966	0.1957	0.0674	0.1324	0.3444	0.6762	
51	35.92	0.02	0.0625	5.5555	0.0058	5.5555	0.1571	0.2149	0.0685	0.1357	0.3189	0.6500	
52	36.16	0.04	0.0772	5.5555	0.0141	5.5555	0.2374	0.2140	0.0703	0.1399	0.3286	0.6537	
53	36.41	0.02	0.0673	5.5555	0.0151	5.5555	0.2247	0.2190	0.0715	0.1420	0.3266	0.6484	
54	36.64	0.04	0.0673	5.5555	0.0141	5.5555	0.2096	0.2200	0.0721	0.1411	0.3278	0.6413	
55	36.67	0.04	0.0756	5.5555	0.0225	5.5555	0.2868	0.2346	0.0733	0.1480	0.3125	0.6308	
56	37.11	0.02	0.0664	5.5555	0.0162	5.5555	0.2372	0.2253	0.0752	0.1440	0.3339	0.6391	
57	37.36	0.04	0.0658	5.5555	0.0116	5.5555	0.1945	0.2338	0.0746	0.1466	0.3200	0.6276	
58	37.59	0.03	0.0745	5.5555	0.0186	5.5555	0.2500	0.2500	0.0760	0.1531	0.3041	0.6123	
59	37.82	0.05	0.0671	5.5555	0.0161	5.5555	0.2403	0.2501	0.0756	0.1531	0.3032	0.6121	
60	38.07	0.03	0.0547	5.5555	0.0125	5.5555	0.2047	0.2631	0.0755	0.1620	0.2817	0.6042	
61	38.25	0.03	0.0557	5.5555	0.0114	5.5555	0.1946	0.2665	0.0759	0.1594	0.2849	0.5980	
62	38.54	0.00	0.0547	5.5555	0.0125	5.5555	0.2047	0.2773	0.0766	0.1644	0.2763	0.5928	
63	38.76	0.01	0.0663	5.5555	0.0166	5.5555	0.2434	0.2795	0.0778	0.1637	0.2784	0.5856	
64	38.99	0.03	0.0646	5.5555	0.0102	5.5555	0.1365	0.2673	0.0762	0.1671	0.2654	0.5817	
65	39.23	0.02	0.0715	5.5555	0.0203	5.5555	0.2627	0.3065	0.0770	0.1754	0.2513	0.5724	
66	39.44	0.02	0.0665	5.5555	0.0150	5.5555	0.2644	0.3047	0.0778	0.1728	0.2554	0.5672	
67	39.65	0.02	0.0665	5.5555	0.0150	5.5555	0.2644	0.3046	0.0781	0.1735	0.2565	0.5710	
68	39.85	0.03	0.0665	5.5555	0.0150	5.5555	0.2644	0.3246	0.0771	0.1824	0.2376	0.5620	
69	40.07	0.03	0.0555	5.5555	0.0164	5.5555	0.2761	0.3182	0.0786	0.1781	0.2471	0.5598	
70	40.26	0.03	0.0545	5.5555	0.0145	5.5555	0.2560	0.3209	0.0789	0.1793	0.2460	0.5588	
71	40.46	0.03	0.0522	5.5555	0.0124	5.5555	0.2380	0.3263	0.0791	0.1808	0.2425	0.5542	
72	40.68	0.02	0.0582	5.5555	0.0166	5.5555	0.2692	0.3085	0.0811	0.1715	0.2630	0.5560	
73	40.85	0.01	0.0534	5.5555	0.0135	5.5555	0.2533	0.3112	0.0814	0.1718	0.2617	0.5521	
74	41.11	0.02	0.0552	5.5555	0.0156	5.5555	0.2601	0.3299	0.0802	0.1812	0.2432	0.5493	
75	41.33	0.03	0.0643	5.5555	0.0207	5.5555	0.3224	0.3422	0.0809	0.1854	0.2365	0.5433	
76	41.51	0.02	0.0616	5.5555	0.0205	5.5555	0.3323	0.3406	0.0813	0.1858	0.2388	0.5456	
77	41.73	0.01	0.0455	5.5555	0.0156	5.5555	0.3158	0.3420	0.0813	0.1854	0.2378	0.5422	
78	41.92	0.01	0.0544	5.5555	0.0184	5.5555	0.3103	0.3357	0.0826	0.1820	0.2461	0.5422	
79	42.11	0.01	0.0666	5.5555	0.0225	5.5555	0.3433	0.3156	0.0846	0.1728	0.2682	0.5476	
80	42.31	0.02	0.0571	5.5555	0.0172	5.5555	0.3018	0.3463	0.0817	0.1883	0.2346	0.5407	
81	42.50	0.02	0.0460	5.5555	0.0125	5.5555	0.2610	0.3761	0.0796	0.2014	0.2117	0.5357	
82	42.69	0.01	0.0457	5.5555	0.0147	5.5555	0.2964	0.3656	0.0806	0.1957	0.2211	0.5353	
83	42.87	0.02	0.0534	5.5555	0.0170	5.5555	0.3189	0.3594	0.0827	0.1931	0.2302	0.5373	
84	43.06	0.02	0.0410	5.5555	0.0125	5.5555	0.3056	0.3766	0.0805	0.1954	0.2126	0.5266	
85	43.23	0.02	0.0457	5.5555	0.0167	5.5555	0.3367	0.3431	0.0844	0.1839	0.2461	0.5360	
86	43.41	0.01	0.0473	5.5555	0.0145	5.5555	0.3072	0.3967	0.0820	0.2064	0.2068	0.5202	
87	43.60	0.01	0.0545	5.5555	0.0223	5.5555	0.3754	0.3326	0.0866	0.1784	0.2605	0.5364	
88	43.75	0.01	0.0545	5.5555	0.0187	5.5555	0.3601	0.3528	0.0854	0.1865	0.2422	0.5287	
89	43.96	0.01	0.0533	5.5555	0.0204	5.5555	0.3835	0.3529	0.0853	0.1870	0.2418	0.5259	
90	44.12	0.00	0.0525	5.5555	0.0266	5.5555	0.3642	0.3543	0.0861	0.1879	0.2431	0.5304	
91	44.30	0.00	0.0472	5.5555	0.0184	5.5555	0.3907	0.3502	0.0858	0.1865	0.2451	0.5328	
92	44.51	0.00	0.0521	5.5555	0.0266	5.5555	0.4000	0.3722	0.0851	0.1949	0.2288	0.5238	

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

PCINT	TEST PART MACH #X10=6		PHI		CONF		C		DECI	DEL2	CEL3	CEL4	TRANSITION
	1	112 1.00 1.7	C.C	0.1	0.15	C.C	0	-30	0	-30	UNKNOWN		
ALPHA	BETA	CNF3	CNF3	CNF3	CNF3	XCPF3	YCPF3	CNF4	CNF4	CNF4	XCPF4	YCPF4	
93	44.87	-0.00	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
94	44.87	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
95	45.05	-0.00	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
96	45.24	0.00	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
97	45.35	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
98	45.58	-0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
99	45.77	0.00	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
100	45.95	-0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
101	46.11	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
102	46.23	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
103	46.47	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
104	46.65	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
105	46.82	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
106	46.97	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
107	47.17	0.03	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
108	47.35	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
109	47.51	0.03	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
110	47.68	0.02	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
111	47.88	0.03	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
112	48.05	0.04	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
113	48.20	0.04	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
114	48.40	0.05	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
115	48.58	0.04	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
116	48.75	0.06	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
117	48.92	0.05	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
118	49.10	0.05	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
119	49.28	0.05	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
120	49.44	0.07	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
121	49.63	0.08	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
122	49.81	0.07	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
123	49.98	0.08	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
124	50.15	0.06	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
125	50.34	0.06	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
126	50.50	0.05	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
127	50.71	0.05	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
128	50.88	0.05	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
129	51.05	0.04	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
130	51.23	0.03	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
131	51.37	0.02	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
132	51.55	0.03	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
133	51.71	0.03	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
134	51.87	0.02	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
135	52.04	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
136	52.21	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
137	52.37	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
138	52.57	0.01	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RXIG-8				PH		CCNF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7 112 1.00 1.7				C.C b1nCF15		C.C		0		-30		0		-30		UNKNOWN			
PCINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4							
139	52.72	-0.01	0.0321	5.5555	0.0163	5.5555	0.5078	0.4893	0.0799	0.2346	0.1634	0.4798							
140	52.84	0.00	0.0333	5.5555	0.0175	5.5555	0.5375	0.5049	0.0810	0.2410	0.1605	0.4773							
141	53.06	-0.00	0.0320	5.5555	0.0163	5.5555	0.5715	0.4998	0.0797	0.2336	0.1595	0.4673							
142	53.24	-0.01	0.0346	5.5555	0.0175	5.5555	0.5056	0.5019	0.0779	0.2319	0.1553	0.4620							
143	53.40	-0.01	0.0321	5.5555	0.0163	5.5555	0.5234	0.5169	0.0790	0.2403	0.1523	0.4631							
144	53.54	-0.02	0.0371	5.5555	0.0167	5.5555	0.5040	0.5137	0.0764	0.2351	0.1468	0.4576							
145	53.76	-0.01	0.0272	5.5555	0.0140	5.5555	0.5147	0.5077	0.0771	0.2316	0.1515	0.4561							
146	53.91	-0.01	0.0345	5.5555	0.0175	5.5555	0.5072	0.5141	0.0769	0.2365	0.1496	0.4600							
147	54.10	-0.03	0.0255	5.5555	0.0161	5.5555	0.5458	0.4948	0.0664	0.2321	0.1342	0.4690							
148	54.24	-0.00	0.0370	5.5555	0.0166	5.5555	0.5027	0.5067	0.0760	0.2308	0.1500	0.4554							

PAGE 1 OF 3
SHEET 1 OF 3

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH XXIC-6												
7 113 1.10 1.7												
C.C. DINCIPIS C.C. DEL1 DEL2 DEL3 DEL4 TRANSITION												
0 -30 0 -30 UNKNOWN												
PCINT	ALPHA	BETA	CN	CLP	CP	CLA	CLL	CA	CAB	CAF	XCP	
1	-5.75	0.01	-2.4255	8.5948	0.0557	-0.0331	-0.0016	1.5057	0.3733	1.1324	-3.6955	
2	-5.75	0.01	-2.4255	8.5948	-0.0221	-0.0385	-0.0016	1.5107	0.3700	1.1349	-3.7087	
3	-5.75	0.01	-2.4406	8.5555	0.0543	-0.0100	0.0036	1.5070	0.3740	1.1330	-3.6654	
4	-5.31	0.01	-2.2523	8.0647	-0.0107	-0.0204	0.0042	1.5243	0.3667	1.1576	-3.8535	
5	-3.44	0.01	-2.2543	5.0100	-0.0621	-0.0750	-0.0010	1.4741	0.3455	1.1468	-4.0327	
6	-1.73	0.03	-2.0270	0.7150	0.1254	-0.1802	0.0	1.4334	0.3247	1.1088	-4.2954	
7	0.00	0.02	-1.8328	6.3555	0.0228	-0.1272	0.0004	1.4168	0.3293	1.0876	-4.5826	
8	1.00	0.01	-1.5581	7.7903	0.0023	-0.0143	0.0007	1.3007	0.3398	1.0285	-5.0062	
9	3.68	0.01	-1.3045	7.1748	-0.0101	-0.0122	0.0010	1.3058	0.3538	0.9520	-5.5002	
10	5.47	0.01	-1.0318	6.5436	-0.0075	-0.0235	0.0013	1.2505	0.3652	0.8854	-6.3417	
11	7.34	0.02	-0.7184	5.8653	0.0655	-0.0503	0.0019	1.1683	0.3720	0.7563	-8.1648	
12	9.15	0.01	-0.3515	5.1525	-0.0067	0.0013	0.0024	1.1007	0.3831	0.7176	-13.2630	
13	11.03	0.00	-0.0805	4.5555	-0.1117	0.2165	0.0025	1.0318	0.3873	0.6445	-15.9190	
14	12.07	0.01	0.2840	3.9255	0.0592	0.2325	0.0029	0.9527	0.3863	0.5604	14.8671	
15	14.78	0.01	0.6389	3.3221	-0.0750	0.1553	0.0030	0.8772	0.3838	0.4534	5.1954	
16	16.73	0.02	1.0285	2.7720	-0.0020	0.3350	0.0041	0.7919	0.3750	0.4123	2.6940	
17	18.65	-0.01	1.4252	2.2742	-0.2643	0.6108	0.0101	0.7148	0.3737	0.3411	1.6656	
18	20.63	0.01	1.8450	1.8556	-0.1305	0.6072	-0.0050	0.6557	0.3686	0.2809	1.1136	
19	22.61	0.01	2.4575	1.0545	-0.0627	0.2483	-0.0121	0.6066	0.3657	0.2405	0.8555	
20	24.62	0.01	2.9747	2.1125	-0.0777	0.1552	0.0012	0.5041	0.3646	0.1545	0.7102	
21	26.64	0.03	3.8514	2.0543	0.2455	-0.8155	0.0653	0.5357	0.3580	0.1771	0.5565	
22	28.40	0.04	4.2535	1.9738	0.3512	-0.6741	0.0674	0.4923	0.3579	0.1344	0.4640	
23	28.43	0.07	4.3344	1.9285	0.6307	-1.3675	0.1066	0.5056	0.3622	0.1434	0.4450	
24	28.65	0.05	4.3010	1.9047	0.4625	-1.2134	0.1224	0.5050	0.3608	0.1448	0.4307	
25	29.11	0.03	4.5288	1.9800	0.1862	-0.2163	0.0523	0.4550	0.3671	0.1279	0.4328	
26	29.41	0.03	4.6310	1.7628	0.2413	-0.4157	0.0791	0.5013	0.3658	0.1355	0.3866	
27	29.76	0.04	4.7875	1.7732	0.2155	-0.2375	0.0578	0.4674	0.3694	0.0981	0.3658	
28	30.03	0.06	4.8627	1.7551	0.6012	-1.1509	0.1136	0.4748	0.3741	0.1008	0.3700	
29	30.32	0.07	4.9461	1.7605	0.8038	-1.1462	0.1245	0.4719	0.3777	0.0942	0.3598	
30	30.60	0.06	5.0554	1.6507	0.5353	-1.0653	0.1138	0.4579	0.3742	0.0837	0.3357	
31	30.86	0.07	5.1540	1.5874	0.5854	-0.8604	0.1138	0.4447	0.3722	0.0725	0.3080	
32	31.15	0.04	5.3511	1.4761	0.2864	-0.2360	0.0604	0.4376	0.3735	0.0641	0.2758	
33	31.43	0.04	5.4540	1.3655	0.3225	-0.0284	0.0599	0.4296	0.3745	0.0551	0.2466	
34	31.70	0.02	5.5553	1.3552	0.1002	-0.0200	0.0012	0.4249	0.3715	0.0534	0.2440	
35	32.00	0.03	5.7042	1.3304	0.2642	-0.2630	0.1035	0.4113	0.3712	0.0401	0.2332	
36	32.25	0.03	5.7910	1.2765	0.1430	0.2035	0.0700	0.4067	0.3778	0.0289	0.2205	
37	32.54	0.02	5.9147	1.1522	0.0333	0.3291	0.0704	0.3989	0.3820	0.0169	0.1948	
38	32.80	0.01	6.0042	1.0313	0.0520	0.1500	0.0903	0.4033	0.3806	0.0147	0.1701	
39	33.07	0.03	6.2202	0.9485	0.1768	0.3721	0.0816	0.3847	0.3917	-0.0070	0.1526	
40	33.32	0.03	6.1642	0.9341	0.2471	0.0098	0.0024	0.3835	0.3916	-0.0081	0.1510	
41	33.58	-0.00	6.3066	0.8226	-0.1160	0.7464	0.0490	0.3904	0.3856	0.0008	0.1301	
42	33.82	0.01	6.4750	0.7430	0.0	0.5701	0.0050	0.3777	0.3907	-0.0130	0.1149	
43	34.09	0.01	6.5528	0.7103	-0.0030	0.7355	0.0054	0.3819	0.3844	-0.0225	0.1084	
44	34.35	0.01	6.7001	0.6676	-0.0056	0.6590	0.0025	0.3820	0.3865	-0.0245	0.1026	
45	34.58	0.02	6.7570	0.6623	-0.1425	0.4838	0.1046	0.3451	0.3932	-0.0481	0.0680	
46	34.85	-0.01	6.5540	0.4730	-0.1526	1.0401	0.0445	0.3321	0.3946	-0.0625	0.0681	

PAGE 1 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	AXIS	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	11.5	1.1C	1.1	0.0	0.100F15	C.C	0	-30	0	-30	UNKNOWN
PLINT	ALPHA	BETA	CM	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	35.10	0.02	7.0844	0.1370	0.1591	0.3625	0.1184	0.3483	0.3981	-0.0498	0.0193
48	35.35	0.02	7.1362	0.1534	0.1212	0.7238	0.1046	0.3429	0.3453	-0.0524	0.0215
49	35.55	0.02	7.2523	0.1588	0.1452	0.5198	0.0952	0.3240	0.3908	-0.0668	0.0272
50	35.81	0.01	7.2465	0.1177	0.0518	0.3779	0.1172	0.3375	0.3458	-0.0581	0.0162
51	36.07	0.01	7.4320	0.1051	0.0691	0.6007	0.1082	0.3115	0.3435	-0.0670	0.0141
52	36.31	0.03	7.5458	-0.0115	0.2007	0.4730	0.0959	0.3235	0.3443	-0.0708	-0.0016
53	36.53	0.00	7.7075	-0.2377	0.0245	0.6224	0.1251	0.3091	0.3926	-0.0835	-0.0308
54	36.75	0.01	7.8258	-0.2468	0.1204	0.4435	0.0977	0.3016	0.3888	-0.0872	-0.0315
55	37.01	-0.01	7.8837	-0.2547	-0.0156	0.6435	0.1029	0.3072	0.3888	-0.0816	-0.0374
56	37.24	0.00	7.9541	-0.4000	0.0347	0.5549	0.1405	0.2988	0.3902	-0.0916	-0.0588
57	37.51	-0.01	8.1241	-0.4073	0.0013	0.6088	0.0986	0.2844	0.3831	-0.0987	-0.0501
58	37.73	-0.00	8.2220	-0.4468	0.0871	0.5654	0.1205	0.2803	0.3882	-0.1079	-0.0604
59	37.96	-0.00	8.2185	-0.4762	0.0776	0.5435	0.0990	0.2704	0.3878	-0.1114	-0.0582
60	38.21	0.01	8.4680	-0.7375	0.1116	0.5404	0.1103	0.2813	0.3888	-0.1273	-0.0871
61	38.43	0.00	8.5507	-0.6583	0.1560	0.3455	0.1007	0.2512	0.3701	-0.1249	-0.0767
62	38.67	-0.02	8.6228	-0.8008	0.0853	0.1882	0.0897	0.2332	0.3762	-0.1436	-0.0766
63	38.90	-0.01	8.6777	-0.6743	0.0275	0.2187	0.0749	0.2509	0.3811	-0.1302	-0.0783
64	39.13	-0.03	8.7850	-0.8855	0.1455	0.1458	0.0328	0.2344	0.3785	-0.1371	-0.1008
65	39.34	-0.01	8.6755	-1.0524	0.0647	0.2790	0.0913	0.2295	0.3751	-0.1458	-0.1231
66	39.58	-0.02	8.4614	-1.0530	-0.0103	0.3492	0.0915	0.2048	0.3704	-0.1608	-0.1217
67	39.79	-0.01	8.0773	-1.1513	0.0851	0.0845	0.0659	0.2144	0.3641	-0.1497	-0.1268
68	39.99	-0.01	8.1733	-1.1850	0.0550	0.3008	0.0782	0.2019	0.3679	-0.1660	-0.1296
69	40.21	-0.02	8.2341	-1.2675	-0.0300	0.4286	0.0814	0.1983	0.3688	-0.1703	-0.1394
70	40.41	-0.04	8.2266	-1.3170	-0.0082	0.2675	0.0714	0.1898	0.3690	-0.1792	-0.1427
71	40.63	-0.03	8.4133	-1.4336	0.0414	0.0147	0.0458	0.1888	0.3648	-0.1962	-0.1523
72	40.81	-0.03	8.4578	-1.4631	-0.0242	0.4260	0.0713	0.1844	0.3683	-0.1989	-0.1568
73	41.03	-0.03	8.5752	-1.7059	0.0552	0.0462	0.0728	0.1507	0.3637	-0.2130	-0.1781
74	41.26	-0.04	8.7100	-1.8088	0.0724	0.1503	0.0673	0.1505	0.3612	-0.2047	-0.1861
75	41.44	-0.03	8.8836	-1.7825	0.1117	-0.4851	0.0385	0.1236	0.3578	-0.2342	-0.1841
76	41.68	-0.02	8.8434	-1.8230	0.0138	0.3885	0.0584	0.1190	0.3555	-0.2365	-0.1852
77	41.88	-0.04	8.9055	-1.8548	-0.0858	0.2114	0.0467	0.0859	0.3489	-0.2625	-0.1872
78	42.08	-0.03	10.0281	-2.0025	-0.1175	0.7122	0.0612	0.0853	0.3471	-0.2617	-0.1998
79	42.27	-0.05	10.2309	-2.3678	-0.3584	1.2278	0.0655	0.1026	0.3634	-0.2608	-0.2314
80	42.48	-0.04	10.2415	-2.2408	-0.1126	0.5732	0.0484	0.0558	0.3522	-0.2584	-0.2177
81	42.65	-0.02	10.2954	-2.3547	-0.0055	0.6853	0.0511	0.0798	0.3520	-0.2721	-0.2287
82	42.85	-0.04	10.4242	-2.4511	-0.1046	0.5087	0.0382	0.0457	0.3596	-0.3139	-0.2351
83	43.04	-0.03	10.4818	-2.4850	-0.1683	1.0790	0.0504	0.0548	0.3627	-0.3079	-0.2371
84	43.22	-0.04	10.5588	-2.7478	-0.2452	1.3535	0.0389	0.0503	0.3537	-0.3034	-0.2640
85	43.39	-0.03	10.6313	-2.6117	-0.0737	0.9136	0.0405	0.0368	0.3369	-0.3001	-0.2457
86	43.58	-0.03	10.6343	-2.5155	-0.0223	0.6541	0.0439	0.0252	0.3380	-0.3128	-0.2365
87	43.76	-0.03	10.7528	-2.7370	-0.0803	0.4768	0.0371	0.0038	0.3327	-0.3289	-0.2550
88	43.95	-0.03	10.8146	-2.8753	-0.2277	1.2612	0.0186	0.0257	0.3477	-0.3220	-0.2644
89	44.13	-0.03	10.8535	-2.9537	-0.1147	0.5275	0.0576	0.0068	0.3337	-0.3405	-0.2390
90	44.29	-0.02	10.9524	-2.8155	0.1098	-0.3611	0.0402	-0.0138	0.3181	-0.3317	-0.2396
91	44.48	-0.04	11.0204	-2.8164	-0.3203	1.4763	0.0323	-0.0013	0.3233	-0.3246	-0.2556
92	44.68	-0.03	11.0501	-2.7380	-0.2023	0.8645	0.0155	-0.0372	0.3194	-0.3586	-0.2469

PAGE 1 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART FACE AXIO-E PH CLNF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
1 113 1.13 1.7 C.C MINOF15 0.0 U -30 U -30 UNKNOWN											
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
93	44.86	-0.03	11.1856	-2.6542	-0.2204	1.1516	0.0038	-0.0371	0.3092	-0.3463	-0.2409
94	45.04	-0.02	11.3225	-2.6927	-0.0051	0.2148	0.0294	-0.0610	0.3065	-0.3755	-0.2378
95	45.24	-0.02	11.3422	-2.8105	0.0624	-0.3745	0.0469	-0.0636	0.3059	-0.3695	-0.2477
96	45.42	-0.03	11.3342	-2.5625	-0.1540	0.7598	0.0060	-0.0643	0.2496	-0.3639	-0.2261
97	45.54	-0.01	11.4648	-2.7452	0.0543	-0.1586	0.0473	-0.0755	0.3042	-0.3797	-0.2390
98	45.76	-0.02	11.4108	-2.7252	0.0031	0.1453	0.0000	-0.0727	0.3013	-0.3740	-0.2388
99	45.96	-0.02	11.5038	-2.5477	-0.0650	0.7611	0.0065	-0.0796	0.2940	-0.3736	-0.2213
100	46.14	-0.02	11.5676	-2.6501	-0.0525	0.4063	0.0164	-0.0808	0.2945	-0.3603	-0.2287
101	46.30	-0.03	11.5552	-2.4572	-0.1705	0.8068	0.0015	-0.0691	0.3024	-0.3715	-0.2154
102	46.48	-0.03	11.6285	-2.4064	-0.1467	0.6618	0.0024	-0.0674	0.2986	-0.3660	-0.2123
103	46.66	-0.03	11.7354	-2.6035	-0.2423	0.5543	-0.0150	-0.0774	0.2977	-0.3751	-0.2219
104	46.84	-0.03	11.7620	-2.5727	-0.2461	1.1076	-0.0261	-0.0662	0.3012	-0.3674	-0.2184
105	47.01	-0.04	11.8474	-2.6022	-0.3528	1.0683	-0.0148	-0.0794	0.3027	-0.3621	-0.2202
106	47.20	-0.03	11.5650	-2.3321	-0.2604	0.6564	-0.0241	-0.0593	0.3097	-0.3690	-0.1948
107	47.35	-0.02	11.7518	-2.0625	-0.1515	1.0742	-0.0310	-0.0457	0.3036	-0.3493	-0.1766
108	47.54	-0.02	11.5456	-2.1525	-0.0656	0.8640	-0.0188	-0.0731	0.3045	-0.3776	-0.1785
109	47.71	-0.03	12.0686	-2.4213	-0.1702	0.6114	-0.0235	-0.0729	0.3035	-0.3764	-0.2006
110	47.89	-0.03	12.2100	-2.2241	-0.2417	1.7726	-0.0245	-0.0561	0.3161	-0.3742	-0.1822
111	48.06	-0.02	12.2926	-2.7243	-0.1013	0.5820	-0.0227	-0.0671	0.3154	-0.3825	-0.2216
112	48.26	-0.01	12.1053	-3.9571	0.0566	0.6893	-0.0151	-0.0710	0.3662	-0.4312	-0.3115
113	48.42	-0.02	12.6278	-3.2655	-0.0328	0.0576	-0.0201	-0.0736	0.3429	-0.4165	-0.2602
114	48.58	-0.02	12.5083	-3.0860	0.0275	0.1683	-0.0153	-0.0637	0.3514	-0.4151	-0.2467
115	48.77	-0.00	12.7234	-3.2656	0.2727	-0.4024	0.0523	-0.0456	0.3613	-0.4072	-0.2570
116	48.92	-0.01	12.7746	-3.1620	0.1505	-0.2675	0.0469	-0.0517	0.3620	-0.4137	-0.2475
117	49.10	-0.01	12.6767	-2.6464	0.1751	-0.0346	0.0572	-0.0192	0.3638	-0.3830	-0.2089
118	49.27	0.00	12.0665	-2.5125	0.2234	0.1481	0.0623	0.0107	0.3684	-0.3577	-0.1823
119	49.42	-0.00	12.6564	-2.2615	0.1628	0.3219	0.0673	0.0182	0.3779	-0.3597	-0.1797
120	49.61	-0.01	12.7700	-2.4017	0.0616	0.3297	0.0730	0.0129	0.3754	-0.3625	-0.1881
121	49.77	0.00	12.6632	-1.5543	0.1735	0.3566	0.0610	0.0167	0.3817	-0.3670	-0.1575
122	49.95	0.00	12.6145	-2.3450	0.1637	0.5657	0.0557	0.0217	0.3902	-0.3685	-0.1833
123	50.13	0.00	12.6572	-2.2053	0.1578	0.6587	0.0556	0.0264	0.3952	-0.3688	-0.1718
124	50.31	0.00	12.5324	-2.1077	0.1296	0.8140	0.0501	0.0167	0.4005	-0.3816	-0.1630
125	50.48	0.02	12.6711	-2.3424	0.3215	0.7396	0.0444	0.0185	0.4007	-0.3822	-0.1587
126	50.64	0.00	12.5465	-2.2600	0.1354	0.9333	0.0495	0.0220	0.4053	-0.3833	-0.1745
127	50.82	0.00	13.0447	-2.2015	0.1367	0.9714	0.0498	0.0267	0.4095	-0.3828	-0.1688
128	50.99	0.01	13.0265	-2.0814	0.1000	1.1091	0.0493	0.0382	0.4067	-0.3685	-0.1598
129	51.18	0.00	13.1623	-2.1321	0.0359	1.1724	0.0442	0.0361	0.4117	-0.3756	-0.1620
130	51.35	0.01	13.2344	-1.9055	0.2105	1.0585	0.0448	0.0257	0.4148	-0.3891	-0.1443
131	50.64	0.01	12.8651	-2.0347	0.2580	0.8575	0.0495	0.0134	0.4048	-0.3512	-0.1582

PALE 2 OF 3
 SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RXIC-6				PHI CNRF		DEL1 DEL2 DEL3 DEL4 TRANSITION						
7 113 1.1C 1.1				C.C. BANG 15 C.C		0 -30 0 -30 UNKNOWN						
PCINT	ALPHA	BETA	CNFI	CHI	CHI	XCPI1	YCPI1	CNF2	CH2	C82	XCPI2	YCPI2
1	-5.75	0.01	0.0014	0.0038	0.0140	-2.7154	10.0000	-1.3241	0.0093	-0.5561	-0.0070	0.4562
2	-5.75	0.01	0.0015	0.0038	0.0131	-1.8555	-6.8947	-1.3263	0.0091	-0.5582	-0.0069	0.4510
3	-5.75	0.01	0.0018	0.0032	0.0126	-1.7705	-7.0000	-1.3169	0.0090	-0.5536	-0.0068	0.4501
4	-5.31	0.01	0.0024	0.0046	0.0147	1.5174	0.1250	-1.3357	0.0046	-0.6120	-0.0034	0.4581
5	-3.44	0.01	0.0016	0.0041	0.0121	2.5635	7.5625	-1.3101	0.0040	-0.6114	-0.0031	0.4666
6	-1.73	0.03	0.0063	0.0037	0.0125	0.5675	1.4041	-1.2441	0.0032	-0.6116	-0.0066	0.4896
7	0.00	0.02	0.0142	0.0037	0.0138	0.2607	0.5718	-1.1724	0.0031	-0.5641	-0.0065	0.4582
8	1.00	0.01	0.0111	0.0031	0.0110	0.3335	0.9910	-1.0009	0.0035	-0.5463	-0.0033	0.5052
9	3.68	0.01	0.0088	0.0025	0.0090	0.4266	1.3235	-0.9646	-0.0018	-0.4952	0.0019	0.5175
10	5.47	0.01	-0.0035	0.0012	0.0087	-0.3430	-2.4657	-0.8562	-0.0077	-0.4416	0.0090	0.5158
11	7.34	0.02	-0.0054	-0.0016	0.0121	0.1703	-1.2672	-0.7251	-0.0089	-0.3865	0.0122	0.5306
12	9.15	0.01	-0.0067	0.0	0.0171	0.0	-2.5522	-0.6200	-0.0086	-0.3258	0.0135	0.5320
13	11.03	0.00	-0.0183	0.0015	0.0180	-0.0820	-0.8743	-0.5169	-0.0073	-0.2832	0.0141	0.5479
14	12.87	0.01	-0.0311	0.0021	0.0153	-0.0676	-0.4920	-0.4018	-0.0031	-0.2331	0.0077	0.5804
15	14.70	0.01	-0.0583	0.0005	0.0147	-0.0104	-0.3050	-0.2620	0.0003	-0.1808	-0.0011	0.6667
16	16.73	0.02	-0.0672	-0.0038	0.0111	0.0507	-0.1654	-0.1905	0.0022	-0.1440	-0.0116	0.7556
17	18.69	-0.01	-0.0858	-0.0051	0.0155	0.0777	-0.2968	-0.0992	0.0074	-0.1036	-0.0747	1.0444
18	20.63	0.01	-0.1076	-0.0085	-0.0057	0.0790	0.0344	-0.0349	0.0147	-0.0706	-0.4214	2.0201
19	22.61	0.01	-0.0785	0.0011	-0.0102	-0.0140	0.1294	0.0125	0.0252	-0.0455	2.0168	-3.6640
20	24.60	0.01	-0.0572	-0.0001	0.0028	0.0018	-0.0490	0.0684	0.0364	-0.0234	0.5278	-0.3401
21	26.64	0.03	0.1587	0.0144	0.1255	0.0733	0.6377	0.1368	0.0404	0.0358	0.2909	0.0418
22	28.43	0.04	0.1577	0.0134	0.1033	0.0851	0.6552	0.1590	0.0472	0.0169	0.2967	0.1064
23	28.43	0.07	0.2135	0.0132	0.1362	0.0615	0.6473	0.1553	0.0462	0.0155	0.2973	0.0995
24	28.65	0.05	0.3580	0.0173	0.1536	0.0513	0.5724	0.1652	0.0446	0.0233	0.2698	0.1412
25	29.11	0.03	0.0716	0.0055	0.0723	0.0770	1.0098	0.1358	0.0483	0.0120	0.3556	0.0685
26	29.41	0.03	0.1921	0.0071	0.1200	0.0370	0.6535	0.1468	0.0440	0.0205	0.3337	0.1356
27	29.76	0.04	0.0750	0.0045	0.0681	0.0596	0.9007	0.1563	0.0536	0.0269	0.3236	0.1723
28	30.03	0.06	0.2247	0.0066	0.1417	0.0294	0.6306	0.1741	0.0450	0.0348	0.2813	0.2001
29	30.32	0.07	0.2143	0.0057	0.1425	0.0173	0.6650	0.1700	0.0496	0.0340	0.2928	0.2002
30	30.60	0.06	0.2326	0.0073	0.1462	0.0314	0.6285	0.1907	0.0501	0.0458	0.2626	0.2399
31	30.66	0.04	0.1511	0.0042	0.1301	0.0220	0.6805	0.1905	0.0514	0.0458	0.2657	0.2401
32	31.15	0.04	0.0444	-0.0006	0.0581	-0.0174	1.2446	0.1864	0.0542	0.0446	0.2668	0.2365
33	31.43	0.04	0.0044	-0.0035	0.0422	-0.0758	9.5682	0.1776	0.0552	0.0403	0.3107	0.2272
34	31.70	0.02	0.0752	0.0015	0.0767	0.0190	0.9684	0.2075	0.0544	0.0545	0.2622	0.2645
35	32.00	0.03	0.1033	0.0014	0.0553	0.0136	0.9225	0.2113	0.0543	0.0557	0.2570	0.2635
36	32.25	0.03	0.0737	-0.0003	0.0750	-0.0041	1.0285	0.2049	0.0549	0.0532	0.2675	0.2595
37	32.54	0.02	-0.0102	-0.0013	0.0373	0.1275	-3.6569	0.2196	0.0562	0.0589	0.2555	0.2681
38	32.80	0.01	0.1058	0.0021	0.0570	0.0192	0.8033	0.2258	0.0547	0.0628	0.2422	0.2780
39	33.07	0.03	-0.0130	0.0006	0.0402	-0.0462	-3.0923	0.2319	0.0559	0.0644	0.2410	0.2776
40	33.32	0.03	0.0485	0.0017	0.0605	0.0344	1.4098	0.2415	0.0557	0.0691	0.2306	0.2861
41	33.58	-0.00	-0.0152	0.0018	0.0363	-0.0558	-1.7865	0.2498	0.0568	0.0748	0.2273	0.2594
42	33.82	0.01	0.0163	0.0025	0.0524	0.1534	3.2086	0.2512	0.0559	0.0745	0.2225	0.2981
43	34.09	0.01	-0.0072	0.0018	0.0354	-0.2223	-5.4722	0.2634	0.0568	0.0819	0.2156	0.3105
44	34.35	0.00	-0.0363	0.0014	0.0310	-0.0402	-1.0429	0.2760	0.0566	0.0850	0.2050	0.3079
45	34.56	0.02	0.0373	0.0023	0.0688	0.0617	1.8418	0.2914	0.0563	0.0898	0.1932	0.3082
46	34.85	-0.01	-0.0153	0.0021	0.0304	-0.1373	-1.9069	0.3038	0.0565	0.0958	0.1860	0.3154

PAGE 2 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH FX10-6			PHI CONF		DEL1 DEL2		DEL3 DEL4		TRANSITION	
7 113 1.00 1.7			C.C. BANG15 C.C.		0 -30		0 -30		UNKNOWN	
PLINT	ALPHA	BETA	CNF1	CNF1	CNF1	YCPF1	CNF2	CNF2	CNF2	YCPF2
47	35.10	0.02	C.0551	C.0544	C.0772	C.0746	0.3068	0.0562	0.0576	0.0980
48	35.33	0.02	C.0320	C.0024	C.0645	C.1063	2.0125	0.2900	0.0571	0.0912
49	35.59	0.02	C.0143	C.0025	C.0503	C.1749	3.5105	0.3173	0.0567	0.1054
50	35.81	0.01	C.0260	C.0035	C.0600	C.0975	1.1767	0.3137	0.0565	0.1026
51	36.07	0.01	C.0531	C.0045	C.0658	C.0525	1.3151	0.3175	0.0552	0.1054
52	36.31	0.03	C.0250	C.0039	C.0564	C.1401	2.2520	0.3136	0.0555	0.1060
53	36.53	0.00	C.0720	C.0071	C.0828	C.0588	1.1502	0.3286	0.0538	0.1127
54	36.79	0.01	C.0270	C.0054	C.0545	C.1543	2.1511	0.3300	0.0534	0.1143
55	37.01	0.01	C.0288	C.0055	C.0805	C.1510	2.1111	0.3422	0.0531	0.1202
56	37.24	0.00	C.0033	C.0165	C.0849	C.0311	1.0793	0.3326	0.0514	0.1133
57	37.51	0.01	C.0245	C.0052	C.0582	C.2532	2.3714	0.3585	0.0520	0.1260
58	37.73	0.00	C.0478	C.0040	C.0733	C.1848	1.5346	0.3543	0.0515	0.1202
59	37.96	0.00	C.0458	C.0052	C.0706	C.2014	1.5427	0.3517	0.0516	0.1195
60	38.21	0.01	C.0459	C.0054	C.0697	C.2053	1.5196	0.3720	0.0528	0.1255
61	38.43	0.00	C.0436	C.0076	C.0702	C.1817	1.6115	0.3791	0.0524	0.1309
62	38.67	0.02	C.0125	C.0060	C.0516	C.03245	2.7946	0.4043	0.0520	0.1486
63	38.90	0.01	C.0110	C.0061	C.0471	C.05546	4.2727	0.4088	0.0514	0.1497
64	39.13	0.03	C.0030	C.0051	C.0377	1.7007	12.5667	0.4343	0.0504	0.1629
65	39.34	0.01	C.0251	C.0071	C.0575	C.2441	1.9862	0.4203	0.0530	0.1554
66	39.58	0.02	C.0226	C.0063	C.0335	C.3674	2.3628	0.4266	0.0522	0.1584
67	39.79	0.01	C.0356	C.0056	C.0585	C.2696	1.6517	0.4454	0.0521	0.1650
68	39.99	0.01	C.0170	C.0072	C.0440	C.4237	2.5823	0.4640	0.0505	0.1727
69	40.21	0.02	C.0167	C.0083	C.0461	C.4972	2.7545	0.4675	0.0527	0.1644
70	40.41	0.04	C.0452	C.0057	C.0571	C.2152	1.2639	0.4577	0.0526	0.1668
71	40.63	0.03	C.0245	C.0077	C.0360	C.3094	1.4458	0.5018	0.0497	0.1853
72	40.81	0.03	C.0182	C.0066	C.0351	C.3626	1.9286	0.4940	0.0516	0.1622
73	41.03	0.03	C.0445	C.0082	C.0417	C.1831	0.9286	0.5332	0.0493	0.1979
74	41.26	0.02	C.0073	C.0077	C.0453	C.0552	4.0137	0.4914	0.0530	0.1786
75	41.44	0.03	C.0388	C.0057	C.0326	C.2651	0.8907	0.5395	0.0498	0.1959
76	41.66	0.02	C.0270	C.0060	C.0280	C.2964	1.0370	0.5362	0.0509	0.1969
77	41.86	0.04	C.0372	C.0068	C.0275	C.2851	0.7392	0.5638	0.0502	0.2083
78	42.06	0.03	C.0274	C.0045	C.0041	C.1643	0.1496	0.5196	0.0535	0.1876
79	42.27	0.05	C.0267	C.0035	C.0062	C.1885	0.2995	0.5362	0.0532	0.1976
80	42.48	0.04	C.0065	C.0025	C.0044	C.3260	0.4944	0.5535	0.0523	0.2031
81	42.65	0.02	C.0372	C.0032	C.0065	C.0054	0.1855	0.5547	0.0524	0.2008
82	42.85	0.04	C.00144	C.0021	C.0027	C.1459	0.1875	0.5861	0.0513	0.2145
83	43.04	0.03	C.0054	C.0019	C.0280	C.0223	0.3283	0.5571	0.0536	0.2001
84	43.22	0.04	C.0047	C.0045	C.0052	C.0430	0.3652	0.5595	0.0539	0.2028
85	43.39	0.03	C.0046	C.0035	C.0040	C.0335	0.3828	0.5709	0.0535	0.2058
86	43.56	0.03	C.0045	C.0064	C.0015	C.2328	0.5673	0.6209	0.0510	0.2321
87	43.76	0.03	C.0041	C.0012	C.0236	C.0188	0.3688	0.6073	0.0536	0.2199
88	43.95	0.03	C.0063	C.0005	C.0252	C.0080	0.4695	0.6287	0.0525	0.2302
89	44.13	0.03	C.0026	C.0013	C.0167	C.0208	0.2992	0.6239	0.0544	0.2278
90	44.29	0.02	C.0263	C.0044	C.0106	C.2168	0.5222	0.6622	0.0514	0.2437
91	44.48	0.04	C.0064	C.0057	C.0005	C.0516	0.4293	0.6628	0.0582	0.2191
92	44.68	0.03	C.0046	C.0012	C.0016	C.0287	0.4439	0.6483	0.0564	0.2367

PAGE 2 OF 3
SHEET 3 OF 3

MARLIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH RATIO-6			PNT CNF		I		CEL1	DEL2	DEL3	DEL4	TRANSITION	
	1	1.13	1.10	1.7	C.C	BLNCF15	C.C	0	-30	0	-30	UNKNOWN	
PLINT	ALPHA	BETA	CNF1	CNF1	Col	ALPF1	YCPF1	CNF2	CNF2	CB2	ACPF2	YCPF2	
93	44.86	-0.03	-0.0248	-0.0043	-0.0583	0.0345	0.4671	0.0255	0.0586	0.2249	0.0534	0.3595	
94	45.04	-0.02	-0.0052	-0.0041	-0.0011	0.7739	0.2075	0.0570	0.0576	0.2395	0.0677	0.3645	
95	45.24	-0.02	-0.0038	-0.0075	-0.0330	0.1241	0.5181	0.0532	0.0546	0.2556	0.0790	0.3688	
96	45.44	-0.03	-0.0024	-0.0012	-0.0170	-0.0536	0.7539	0.0549	0.0580	0.2395	0.0886	0.3657	
97	45.59	-0.01	-0.0028	-0.0043	-0.0000	-1.5363	-0.2857	0.6778	0.0574	0.2478	0.0647	0.3656	
98	45.78	-0.02	-0.0022	-0.0033	-0.0232	0.0588	0.4135	0.0613	0.0580	0.2405	0.0677	0.3643	
99	45.96	-0.02	-0.0027	-0.0025	-0.0132	-0.1402	0.6377	0.0524	0.0594	0.2347	0.0910	0.3597	
100	46.14	-0.02	-0.0050	-0.0055	-0.0342	0.1044	0.3604	0.0536	0.0594	0.2363	0.0909	0.3615	
101	46.30	-0.03	-0.0046	-0.0030	-0.0315	0.0405	0.4884	0.0550	0.0591	0.2354	0.0902	0.3594	
102	46.48	-0.03	-0.0043	-0.0040	-0.0226	0.0813	0.4593	0.0587	0.0592	0.2377	0.0895	0.3608	
103	46.66	-0.03	-0.0023	-0.00147	-0.0583	0.1148	0.4387	0.0574	0.0605	0.2350	0.0920	0.3574	
104	46.84	-0.03	-0.0023	-0.00185	-0.0433	0.1747	0.4046	0.0630	0.0597	0.2402	0.0898	0.3612	
105	47.01	-0.04	-0.0028	-0.0013	-0.0580	0.1230	0.4216	0.0510	0.0612	0.2320	0.0940	0.3564	
106	47.20	-0.03	-0.0051	-0.00171	-0.0040	0.2870	0.4027	0.0607	0.0575	0.2486	0.0832	0.3602	
107	47.35	-0.02	-0.0015	-0.00168	-0.0355	0.2030	0.4322	0.0643	0.0604	0.2372	0.0905	0.3570	
108	47.54	-0.02	-0.0012	-0.00155	-0.0270	0.2716	0.4729	0.0725	0.0606	0.2351	0.0901	0.3555	
109	47.71	-0.03	-0.0042	-0.00176	-0.0234	0.3600	0.4865	0.0693	0.0585	0.2544	0.0837	0.3638	
110	47.89	-0.03	-0.0023	-0.00135	-0.0010	0.8848	0.5136	0.7162	0.0572	0.2586	0.0759	0.3611	
111	48.06	-0.02	-0.0077	-0.00242	-0.0051	3.1441	0.6823	0.7521	0.0540	0.2747	0.0718	0.3653	
112	48.26	-0.01	0.1217	-0.0070	0.0483	-0.2267	0.4013	0.6794	0.0380	0.3307	0.0431	0.3755	
113	48.42	-0.02	-0.0057	-0.00255	-0.0023	-0.4588	0.4011	0.6214	0.0480	0.3046	0.0584	0.3708	
114	48.58	-0.02	-0.0072	-0.00254	-0.0265	-0.3334	0.3533	0.8242	0.0470	0.3037	0.0570	0.3684	
115	48.77	-0.00	0.1751	-0.00100	0.0743	-0.0593	0.4146	0.7970	0.0457	0.2805	0.0573	0.3520	
116	48.92	-0.01	0.1640	-0.0020	0.0763	-0.0152	0.4146	0.7784	0.0518	0.2717	0.0665	0.3491	
117	49.10	-0.01	0.1514	0.0070	0.0575	0.0503	0.3823	0.7127	0.0588	0.2437	0.0825	0.3415	
118	49.27	0.00	0.0715	0.0054	0.0208	0.1317	0.2913	0.5580	0.0639	0.1887	0.1069	0.3156	
119	49.42	-0.00	0.0738	0.0054	0.0210	0.1276	0.2849	0.6120	0.0639	0.1964	0.1044	0.3210	
120	49.61	-0.01	0.1022	0.0112	0.0362	0.1097	0.3546	0.6447	0.0643	0.2155	0.0997	0.3342	
121	49.77	0.00	0.0401	0.0075	0.0100	0.1971	0.2693	0.5896	0.0628	0.1505	0.1065	0.3231	
122	49.95	0.00	0.0355	0.0064	0.0111	0.1804	0.3127	0.6194	0.0595	0.2005	0.0961	0.3238	
123	50.13	0.00	0.0346	0.0054	0.0054	0.1561	0.2717	0.6193	0.0599	0.2015	0.0967	0.3255	
124	50.31	0.00	0.0312	0.0040	0.0033	0.1888	0.2300	0.6155	0.0602	0.1987	0.0976	0.3225	
125	50.48	0.02	0.0201	0.0045	0.0038	0.2439	0.1891	0.6094	0.0609	0.1980	0.0999	0.3250	
126	50.64	0.00	0.0124	0.0040	0.0005	0.3873	0.0403	0.6111	0.0601	0.1946	0.0984	0.3185	
127	50.82	0.00	0.0090	0.0024	0.0013	0.2683	0.1444	0.6124	0.0596	0.1941	0.0973	0.3170	
128	50.99	0.01	0.0022	0.0024	-0.0005	1.0413	-0.4091	0.6048	0.0593	0.1910	0.0980	0.3158	
129	51.18	0.00	0.0001	0.0022	-0.0022	22.0088	-22.0000	0.6048	0.0595	0.1905	0.0984	0.3150	
130	51.35	0.01	0.0157	0.0012	0.0048	0.0763	0.3057	0.6024	0.0591	0.1872	0.0981	0.3108	
131	51.54	0.01	0.0212	0.0040	0.0053	0.1888	0.2500	0.6123	0.0609	0.1942	0.0995	0.3173	

PAGE 3 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF XX10-E												PMT	CONF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 113 1.16 1.7												0.0	BL0F15	C.C	0	-30	0	-30	UNKNOWN
FCINT	ALPHA	BETA	CNF3	CH3	Co3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4							
1	-5.75	0.01	0.0454	5.5555	0.0104	5.5555	0.2296	-1.3903	0.0084	-0.5611	-0.0061	0.4038							
2	-5.75	0.01	0.0442	5.5555	0.0155	5.5555	0.2245	-1.3885	0.0085	-0.5628	-0.0061	0.4052							
3	-5.75	0.01	0.0431	5.5555	0.0206	5.5555	0.2279	-1.3836	0.0086	-0.5561	-0.0062	0.4015							
4	-5.51	0.01	0.0405	5.5555	0.0128	5.5555	0.3160	-1.4045	0.0058	-0.5712	-0.0041	0.4066							
5	-3.44	0.01	0.0323	5.5555	0.0128	5.5555	0.3901	-1.3793	0.0010	-0.5765	-0.0007	0.4183							
6	-1.73	0.03	0.0376	5.5555	0.0135	5.5555	0.4757	-1.3166	-0.0021	-0.5652	0.0016	0.4336							
7	0.08	0.02	0.0381	5.5555	0.0146	5.5555	0.3675	-1.2538	0.0023	-0.5575	-0.0018	0.4448							
8	1.86	0.01	0.0336	5.5555	0.0100	5.5555	0.2976	-1.1477	-0.0006	-0.5138	0.0005	0.4477							
9	3.68	0.01	0.0355	5.5555	0.0051	5.5555	0.2304	-1.0465	-0.0064	-0.4671	0.0061	0.4463							
10	5.47	0.01	0.0421	5.5555	0.0056	5.5555	0.1353	-0.9309	-0.0118	-0.4100	0.0127	0.4404							
11	7.34	0.02	0.0465	5.5555	0.0065	5.5555	0.1389	-0.8239	-0.0123	-0.3599	0.0150	0.4385							
12	9.15	0.01	0.0453	5.5555	0.0042	5.5555	0.0976	-0.7031	-0.0115	-0.3045	0.0164	0.4331							
13	11.03	0.00	0.0454	5.5555	0.0030	5.5555	0.0609	-0.6049	-0.0104	-0.2525	0.0172	0.4181							
14	12.87	0.01	0.0566	5.5555	0.0022	5.5555	0.0436	-0.4880	-0.0077	-0.1958	0.0158	0.4013							
15	14.76	0.01	0.0541	5.5555	0.0034	5.5555	0.0630	-0.3573	-0.0042	-0.1459	0.0118	0.4082							
16	16.73	0.02	0.0587	5.5555	0.0046	5.5555	0.0765	-0.2437	0.0	-0.0873	0.0	0.3583							
17	18.69	-0.01	0.0553	5.5555	0.0012	5.5555	0.0290	-0.1581	0.0075	-0.0507	-0.0475	0.3205							
18	20.63	0.01	0.0518	5.5555	0.0005	5.5555	0.0174	-0.1007	0.0137	-0.0197	-0.1362	0.1958							
19	22.61	0.01	0.0582	5.5555	0.0067	5.5555	0.1194	-0.3818	0.0232	-0.0086	-0.2841	0.1053							
20	24.62	0.01	0.0468	5.5555	0.0046	5.5555	0.0985	-0.0349	0.0344	0.0096	-0.5032	-0.2751							
21	26.64	0.03	0.0501	5.5555	0.0055	5.5555	0.1960	-0.0335	0.0422	0.0129	-1.2572	-0.3851							
22	28.40	0.04	0.0608	5.5555	0.0186	5.5555	0.2976	0.0123	0.0473	0.0340	3.8389	2.7642							
23	28.43	0.07	0.0695	5.5555	0.0205	5.5555	0.2954	0.0171	0.0480	0.0373	2.8023	2.1813							
24	28.85	0.05	0.0676	5.5555	0.0206	5.5555	0.3149	-0.0066	0.0445	0.0303	-7.3363	-4.5905							
25	29.11	0.03	0.0575	5.5555	0.0141	5.5555	0.2439	0.0445	0.0462	0.0520	1.0838	1.1685							
26	29.41	0.03	0.0602	5.5555	0.0157	5.5555	0.2012	0.0405	0.0508	0.0516	1.2523	1.2716							
27	29.76	0.04	0.0602	5.5555	0.0157	5.5555	0.2612	0.0684	0.0501	0.0660	0.7324	0.5655							
28	30.63	0.06	0.0625	5.5555	0.0253	5.5555	0.3539	0.0679	0.0536	0.0670	0.7894	0.9867							
29	30.32	0.07	0.0728	5.5555	0.0227	5.5555	0.3380	0.0799	0.0530	0.0736	0.8632	0.9211							
30	30.60	0.06	0.0737	5.5555	0.0222	5.5555	0.3016	0.0615	0.0547	0.0772	0.6710	0.9472							
31	30.66	0.07	0.0737	5.5555	0.0222	5.5555	0.3016	0.1079	0.0538	0.0881	0.4983	0.8163							
32	31.15	0.04	0.0623	5.5555	0.0158	5.5555	0.2540	0.1557	0.0522	0.1116	0.3352	0.7170							
33	31.43	0.04	0.0601	5.5555	0.0147	5.5555	0.2450	0.1692	0.0513	0.1192	0.3031	0.7047							
34	31.70	0.02	0.0585	5.5555	0.0133	5.5555	0.2262	0.1609	0.0519	0.1167	0.3225	0.7256							
35	32.00	0.03	0.0612	5.5555	0.0144	5.5555	0.2357	0.1716	0.0516	0.1228	0.3006	0.7153							
36	32.25	0.03	0.0720	5.5555	0.0165	5.5555	0.2607	0.1907	0.0497	0.1345	0.2605	0.7071							
37	32.34	0.02	0.0578	5.5555	0.0114	5.5555	0.1776	0.2063	0.0495	0.1422	0.2355	0.6893							
38	32.60	0.01	0.0656	5.5555	0.0165	5.5555	0.2519	0.2206	0.0493	0.1503	0.2234	0.6813							
39	33.07	0.03	0.0736	5.5555	0.0203	5.5555	0.2762	0.2363	0.0490	0.1567	0.2073	0.6631							
40	33.32	0.03	0.0686	5.5555	0.0161	5.5555	0.2414	0.2306	0.0494	0.1548	0.2142	0.6713							
41	33.58	0.00	0.0576	5.5555	0.0127	5.5555	0.2239	0.2401	0.0507	0.1599	0.2111	0.6660							
42	33.82	0.01	0.0616	5.5555	0.0175	5.5555	0.2692	0.2454	0.0505	0.1626	0.2057	0.6626							
43	34.09	0.01	0.0593	5.5555	0.0121	5.5555	0.2192	0.2521	0.0501	0.1659	0.1986	0.6581							
44	34.35	0.00	0.0552	5.5555	0.0134	5.5555	0.2432	0.2656	0.0485	0.1751	0.1757	0.6490							
45	34.58	0.02	0.0507	5.5555	0.0112	5.5555	0.2213	0.2723	0.0492	0.1756	0.1706	0.6449							
46	34.85	-0.01	0.0541	5.5555	0.0138	5.5555	0.2550	0.2834	0.0478	0.1810	0.1686	0.6386							

PAGE 3 OF 3
SHEET 2 OF 3

PART II MISSILE TAILS EFFECTS DATA

TEST PART NAME: R1X10-6			PRT CNF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 113 1.10 1.7			U.C. 8180F15		C.C		0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CAF3	CH3	CH3	XCFF3	YCPF3	CAF4	CH4	CB4	XCFF4	YCPF4
47	35.10	0.02	0.0554	5.5555	0.0165	5.5555	0.2764	0.2510	0.0484	0.1840	0.1663	0.6325
48	35.35	0.02	0.0665	5.5555	0.0220	5.5555	0.3313	0.3222	0.0456	0.1983	0.1414	0.6156
49	35.59	0.02	0.0557	5.5555	0.0183	5.5555	0.3370	0.3044	0.0475	0.1901	0.1560	0.6247
50	35.81	0.01	0.0557	5.5555	0.0167	5.5555	0.3136	0.3009	0.0476	0.1913	0.1550	0.6235
51	36.07	0.01	0.0551	5.5555	0.0175	5.5555	0.3255	0.3175	0.0471	0.1949	0.1483	0.6140
52	36.31	0.03	0.0664	5.5555	0.0236	5.5555	0.3590	0.3294	0.0467	0.2000	0.1417	0.6073
53	36.55	0.00	0.0425	5.5555	0.0125	5.5555	0.3042	0.3460	0.0471	0.2066	0.1360	0.5585
54	36.75	0.01	0.0565	5.5555	0.0190	5.5555	0.3532	0.3440	0.0474	0.2061	0.1375	0.5979
55	37.01	-0.01	0.0527	5.5555	0.0173	5.5555	0.3289	0.3413	0.0462	0.2045	0.1412	0.6002
56	37.24	0.00	0.0572	5.5555	0.0203	5.5555	0.3555	0.3731	0.0453	0.2216	0.1194	0.5845
57	37.51	-0.01	0.0556	5.5555	0.0210	5.5555	0.3529	0.3487	0.0487	0.2065	0.1404	0.5554
58	37.73	-0.00	0.0565	5.5555	0.0205	5.5555	0.3510	0.3603	0.0470	0.2165	0.1276	0.5878
59	37.96	-0.00	0.0616	5.5555	0.0230	5.5555	0.3728	0.3764	0.0465	0.2199	0.1235	0.5842
60	38.21	0.01	0.0605	5.5555	0.0167	5.5555	0.3313	0.3768	0.0468	0.2196	0.1235	0.5757
61	38.43	0.00	0.0556	5.5555	0.0219	5.5555	0.3681	0.3721	0.0472	0.2173	0.1288	0.5840
62	38.67	-0.02	0.0505	5.5555	0.0170	5.5555	0.3492	0.3493	0.0495	0.2080	0.1416	0.5453
63	38.90	-0.01	0.0445	5.5555	0.0140	5.5555	0.3125	0.3467	0.0495	0.2059	0.1427	0.5937
64	39.13	-0.03	0.0436	5.5555	0.0161	5.5555	0.3701	0.3512	0.0507	0.2064	0.1443	0.5675
65	39.34	-0.01	0.0454	5.5555	0.0170	5.5555	0.3446	0.3511	0.0490	0.2244	0.1252	0.5737
66	39.56	-0.02	0.0516	5.5555	0.0180	5.5555	0.3612	0.3937	0.0450	0.2246	0.1244	0.5704
67	39.75	-0.01	0.0471	5.5555	0.0163	5.5555	0.3596	0.4015	0.0491	0.2250	0.1222	0.5703
68	39.99	-0.01	0.0471	5.5555	0.0170	5.5555	0.3767	0.3922	0.0504	0.2247	0.1257	0.5729
69	40.21	-0.02	0.0420	5.5555	0.0244	5.5555	0.3942	0.4298	0.0485	0.2396	0.1128	0.5574
70	40.41	-0.04	0.0307	5.5555	0.0130	5.5555	0.3760	0.4246	0.0487	0.2382	0.1146	0.5610
71	40.63	-0.03	0.0425	5.5555	0.0170	5.5555	0.4009	0.4556	0.0515	0.2246	0.1312	0.5677
72	40.81	-0.03	0.0286	5.5555	0.0113	5.5555	0.3951	0.4278	0.0500	0.2387	0.1168	0.5575
73	41.03	-0.03	0.0424	5.5555	0.0174	5.5555	0.4113	0.4214	0.0522	0.2342	0.1238	0.5557
74	41.26	-0.02	0.0436	5.5555	0.0171	5.5555	0.3931	0.4922	0.0462	0.2655	0.0938	0.5403
75	41.44	-0.03	0.0455	5.5555	0.0151	5.5555	0.4170	0.4537	0.0517	0.2409	0.1185	0.5541
76	41.66	-0.02	0.0551	5.5555	0.0234	5.5555	0.4255	0.4724	0.0505	0.2557	0.1069	0.5413
77	41.88	-0.04	0.0275	5.5555	0.0117	5.5555	0.4255	0.4426	0.0525	0.2405	0.1186	0.5442
78	42.06	-0.03	0.0320	5.5555	0.0144	5.5555	0.4500	0.5323	0.0452	0.2819	0.0845	0.5257
79	42.27	-0.05	0.0258	5.5555	0.0133	5.5555	0.4463	0.5451	0.0446	0.2860	0.0816	0.5237
80	42.48	-0.04	0.0460	5.5555	0.0151	5.5555	0.4161	0.5337	0.0468	0.2785	0.0881	0.5257
81	42.65	-0.02	0.0350	5.5555	0.0150	5.5555	0.4051	0.5545	0.0440	0.2907	0.0752	0.5238
82	42.85	-0.04	0.0350	5.5555	0.0158	5.5555	0.4051	0.5572	0.0440	0.2813	0.0853	0.5238
83	43.04	-0.03	0.0415	5.5555	0.0160	5.5555	0.3665	0.5974	0.0398	0.3081	0.0866	0.5157
84	43.22	-0.04	0.0344	5.5555	0.0141	5.5555	0.4099	0.6170	0.0303	0.3161	0.0615	0.5117
85	43.39	-0.03	0.0356	5.5555	0.0142	5.5555	0.3389	0.6390	0.0399	0.3124	0.0855	0.5125
86	43.56	-0.03	0.0350	5.5555	0.0158	5.5555	0.4051	0.5305	0.0511	0.2793	0.0652	0.5203
87	43.76	-0.03	0.0356	5.5555	0.0147	5.5555	0.3995	0.5508	0.0451	0.3032	0.0763	0.5131
88	43.95	-0.03	0.0344	5.5555	0.0150	5.5555	0.4360	0.5418	0.0455	0.3028	0.0768	0.5116
89	44.13	-0.03	0.0208	5.5555	0.0098	5.5555	0.4757	0.5789	0.0480	0.2965	0.0825	0.5121
90	44.25	-0.02	0.0306	5.5555	0.0140	5.5555	0.4790	0.5574	0.0532	0.2868	0.0654	0.5145
91	44.48	-0.04	0.0414	5.5555	0.0183	5.5555	0.4431	0.6423	0.0437	0.3236	0.0680	0.5038
92	44.68	-0.03	0.0275	5.5555	0.0141	5.5555	0.5127	0.5668	0.0524	0.2577	0.0853	0.5073

PAGE 3 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACP RXIC-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	113	1.1C	1.7	0.0	0.15	C.C	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CH2	CH3	CH3	XCPF3	YCPF3	CH4	CH4	XCPF4	YCPF4	
93	44.86	-0.03	0.0275	5.9999	0.0145	5.9999	0.5273	0.0121	0.0491	0.3102	0.0802	0.5068
94	45.04	-0.02	0.0356	5.9999	0.0165	5.9999	0.4635	0.0741	0.0568	0.2912	0.0565	0.5071
95	45.24	-0.02	0.0264	5.9999	0.0135	5.9999	0.5114	0.0550	0.0577	0.2674	0.1021	0.5086
96	45.42	-0.03	0.0356	5.9999	0.0175	5.9999	0.5028	0.0565	0.0566	0.2545	0.0572	0.5062
97	45.59	-0.01	0.0278	5.9999	0.0150	5.9999	0.5435	0.0566	0.0556	0.3022	0.0929	0.5048
98	45.76	-0.02	0.0245	5.9999	0.0165	5.9999	0.4699	0.0593	0.0565	0.2596	0.0951	0.5040
99	45.96	-0.02	0.0334	5.9999	0.0155	5.9999	0.4760	0.0580	0.0588	0.2526	0.1014	0.5044
100	46.14	-0.02	0.0403	5.9999	0.0188	5.9999	0.4665	0.0590	0.0574	0.3006	0.0958	0.5018
101	46.30	-0.03	0.0345	5.9999	0.0165	5.9999	0.4659	0.0597	0.0584	0.2577	0.0989	0.5035
102	46.46	-0.03	0.0345	5.9999	0.0174	5.9999	0.5043	0.0576	0.0596	0.2522	0.1028	0.5041
103	46.66	-0.03	0.0242	5.9999	0.0125	5.9999	0.5331	0.0588	0.0552	0.2957	0.1005	0.5021
104	46.84	-0.03	0.0253	5.9999	0.0135	5.9999	0.5434	0.0553	0.0605	0.2765	0.1097	0.5053
105	47.01	-0.04	0.0241	5.9999	0.0145	5.9999	0.5334	0.0567	0.0605	0.2658	0.1062	0.5016
106	47.20	-0.03	0.0334	5.9999	0.0178	5.9999	0.5329	0.0569	0.0632	0.2705	0.1165	0.5115
107	47.35	-0.02	0.0267	5.9999	0.0170	5.9999	0.5523	0.0527	0.0636	0.2664	0.1218	0.5087
108	47.54	-0.02	0.0254	5.9999	0.0144	5.9999	0.5692	0.0526	0.0649	0.2668	0.1239	0.5056
109	47.71	-0.03	0.0242	5.9999	0.0145	5.9999	0.5509	0.0521	0.0657	0.2653	0.1259	0.5083
110	47.89	-0.03	0.0265	5.9999	0.0150	5.9999	0.5660	0.0512	0.0685	0.2537	0.1355	0.5165
111	48.06	-0.02	0.0277	5.9999	0.0151	5.9999	0.5451	0.0515	0.0668	0.2647	0.1288	0.5105
112	48.26	-0.01	0.0300	5.9999	0.0162	5.9999	0.5400	0.0547	0.0653	0.2757	0.1197	0.5053
113	48.42	-0.02	0.0265	5.9999	0.0155	5.9999	0.5645	0.0537	0.0674	0.2700	0.1256	0.5032
114	48.58	-0.02	0.0276	5.9999	0.0137	5.9999	0.4928	0.0530	0.0672	0.2681	0.1268	0.5056
115	48.77	-0.00	0.0347	5.9999	0.0175	5.9999	0.5043	0.0526	0.0685	0.2676	0.1257	0.5066
116	48.92	-0.01	0.0277	5.9999	0.0165	5.9999	0.5457	0.0511	0.0702	0.2605	0.1366	0.5067
117	49.10	-0.01	0.0265	5.9999	0.0147	5.9999	0.5066	0.0510	0.0697	0.2589	0.1359	0.5047
118	49.27	0.00	0.0475	5.9999	0.0240	5.9999	0.5063	0.0535	0.0689	0.2697	0.1286	0.5034
119	49.42	-0.00	0.0277	5.9999	0.0151	5.9999	0.5451	0.0522	0.0691	0.2641	0.1316	0.5029
120	49.61	-0.01	0.0300	5.9999	0.0162	5.9999	0.5400	0.0538	0.0695	0.2690	0.1291	0.4998
121	49.77	0.00	0.0301	5.9999	0.0153	5.9999	0.5083	0.0526	0.0693	0.2645	0.1312	0.5008
122	49.95	0.00	0.0323	5.9999	0.0162	5.9999	0.5035	0.0515	0.0677	0.2733	0.1228	0.4956
123	50.13	0.00	0.0313	5.9999	0.0155	5.9999	0.5080	0.0548	0.0681	0.2683	0.1239	0.4881
124	50.31	0.00	0.0371	5.9999	0.0182	5.9999	0.4906	0.0547	0.0681	0.2676	0.1245	0.4891
125	50.46	0.02	0.0522	5.9999	0.0258	5.9999	0.4652	0.0542	0.0681	0.2650	0.1240	0.4895
126	50.64	0.00	0.0243	5.9999	0.0111	5.9999	0.4566	0.0545	0.0677	0.2645	0.1250	0.4885
127	50.82	0.00	0.0301	5.9999	0.0135	5.9999	0.4618	0.0544	0.0675	0.2665	0.1229	0.4851
128	50.99	0.01	0.0301	5.9999	0.0135	5.9999	0.4618	0.0547	0.0674	0.2627	0.1226	0.4815
129	51.18	0.00	0.0301	5.9999	0.0135	5.9999	0.4618	0.0547	0.0666	0.2610	0.1212	0.4749
130	51.35	0.01	0.0276	5.9999	0.0135	5.9999	0.4764	0.0526	0.0659	0.2465	0.1252	0.4692
131	50.84	0.01	0.0324	5.9999	0.0164	5.9999	0.5062	0.0547	0.0685	0.2652	0.1260	0.4878

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RATIO-E	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	114	0.80	1.7	0.0	0.10	0.10	0	-30	0	-30	UNKNOWN
PLINT	ALPHA	BETA	CL	CLM	CLY	CLN	CLL	CA	CAB	CAF	XCP
1	-5.70	0.00	-1.5224	5.4710	0.0722	-0.2297	0.0103	1.1730	0.4278	0.7452	-3.5937
2	-5.69	0.02	-1.5050	5.4525	0.0602	-0.2296	0.0104	1.1762	0.4273	0.7509	-3.6456
3	-5.69	0.01	-1.4858	5.4623	0.0223	-0.2589	0.0176	1.1746	0.4269	0.7477	-3.6666
4	-4.98	0.01	-1.3952	5.3732	0.0416	-0.2004	0.0107	1.1611	0.4269	0.7542	-3.6401
5	-3.12	0.01	-1.1733	5.2897	0.0152	-0.1507	0.0111	1.1556	0.4255	0.7301	-4.1544
6	-1.30	0.01	-1.1463	5.2207	0.0040	-0.0771	0.0110	1.1222	0.4082	0.7160	-4.5508
7	0.43	0.02	-1.0575	5.3853	0.0596	-0.1793	0.0123	1.0811	0.3557	0.7214	-5.0715
8	2.17	0.01	-1.0383	5.2780	0.0200	-0.1005	0.0201	1.0427	0.2808	0.7541	-5.6609
9	3.89	0.01	-0.9671	5.0346	0.0178	-0.0833	0.0206	1.0029	0.2466	0.7561	-6.2398
10	5.64	0.02	-0.7901	5.0146	0.0645	-0.1073	0.0212	0.9690	0.2440	0.7250	-7.3037
11	7.45	0.02	-0.6353	5.6637	0.0480	-0.1173	0.0290	0.9267	0.2379	0.6886	-8.5146
12	9.14	0.02	-0.5145	5.0763	0.0479	-0.1170	0.0246	0.8953	0.2340	0.6606	-11.0286
13	10.90	0.01	-0.3227	5.5021	0.0335	-0.1135	0.0376	0.8624	0.2309	0.6315	-17.3618
14	12.65	0.02	-0.1022	5.2772	0.0653	-0.1660	0.0311	0.8096	0.2295	0.5803	-51.3501
15	14.36	0.01	0.1643	4.7660	0.0030	-0.0744	0.0314	0.7282	0.2220	0.5062	25.9691
16	16.20	0.01	0.4356	4.4057	-0.0041	0.0326	0.0604	0.6047	0.2216	0.4431	10.3062
17	18.01	0.01	0.8226	3.6675	-0.0477	0.0725	0.0759	0.5611	0.2196	0.3415	4.4588
18	19.79	-0.00	1.2207	2.7655	-0.1656	0.0922	0.1117	0.4496	0.2239	0.2257	2.2658
19	21.63	-0.02	1.6140	2.0245	-0.4220	0.0855	0.1762	0.3565	0.2277	0.1288	1.2345
20	23.42	-0.02	1.9933	1.5432	-0.4540	1.0252	0.1476	0.2695	0.2327	0.0368	0.7500
21	25.20	-0.01	2.2752	1.1144	-0.2457	0.6236	0.0771	0.1883	0.2347	-0.0464	0.4898
22	27.04	0.01	2.7205	0.8135	0.0421	0.0390	0.0449	0.1153	0.2337	-0.1185	0.2990
23	28.11	0.03	2.8668	0.6351	0.3672	-0.0765	0.1260	0.0733	0.2341	-0.1608	0.2200
24	28.23	0.01	2.9622	0.5404	0.1421	-0.3457	0.1256	0.0636	0.2355	-0.1719	0.1851
25	28.60	0.02	3.0355	0.5260	0.2716	-0.4571	0.1406	0.0371	0.2332	-0.1961	0.1739
26	28.92	0.02	3.0750	0.5453	0.3538	-0.6366	0.1266	0.0305	0.2331	-0.2026	0.1785
27	29.16	0.03	3.1772	0.4036	0.3475	-0.7455	0.1342	0.0107	0.2355	-0.2248	0.1270
28	29.50	0.03	3.2556	0.3061	0.2661	-0.2508	0.1341	-0.0008	0.2355	-0.2363	0.1186
29	29.79	0.05	3.3434	0.2550	0.0576	-1.2159	0.1576	-0.0131	0.2383	-0.2514	0.0894
30	30.07	0.04	3.4559	0.3213	0.6231	-1.0575	0.1727	-0.0293	0.2402	-0.2645	0.0929
31	30.33	0.05	3.4541	0.1722	0.6371	-1.0572	0.1873	-0.0420	0.2393	-0.2813	0.0453
32	30.60	0.04	3.6269	0.0075	0.0625	-0.9360	0.2020	-0.0653	0.2412	-0.3066	0.0021
33	30.88	0.03	3.6623	0.0300	0.5107	-0.6984	0.1873	-0.0778	0.2449	-0.3228	0.0081
34	31.14	0.03	3.7749	-0.2152	0.3706	0.0916	0.1723	-0.0902	0.2492	-0.3395	-0.0581
35	31.42	0.04	3.8410	-0.3388	0.3865	0.1295	0.1777	-0.1124	0.2515	-0.3635	-0.0882
36	31.68	0.03	3.9002	-0.3671	0.3415	0.4319	0.1640	-0.1173	0.2536	-0.3711	-0.0941
37	31.95	0.02	3.9454	-0.4717	0.1268	0.7516	0.1394	-0.1364	0.2543	-0.3927	-0.1154
38	32.22	0.03	4.0059	-0.5250	0.2213	0.8004	0.1469	-0.1546	0.2553	-0.4094	-0.1302
39	32.46	0.04	4.2214	-0.6312	0.4203	0.4615	0.1793	-0.1726	0.2572	-0.4298	-0.1455
40	32.75	0.04	4.3666	-0.6356	0.4473	0.3848	0.1854	-0.1805	0.2572	-0.4437	-0.1478
41	33.00	0.04	4.5725	-0.5837	0.3563	0.2848	0.1789	-0.1923	0.2567	-0.4490	-0.1335
42	33.26	0.05	4.5130	-0.5051	0.6525	-0.2627	0.2029	-0.2062	0.2562	-0.4624	-0.1261
43	33.50	0.06	4.4324	-0.6015	0.7265	-0.1778	0.2174	-0.2218	0.2599	-0.4818	-0.1428
44	33.76	0.07	4.7183	-0.7447	0.8134	-0.2982	0.2255	-0.2203	0.2660	-0.4930	-0.1578
45	34.00	0.07	4.8528	-0.6502	0.8146	0.0126	0.2317	-0.2361	0.2654	-0.5056	-0.1752
46	34.26	0.06	4.9544	-0.6460	0.8585	-0.0296	0.2407	-0.2462	0.2770	-0.5233	-0.1909

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH R11C-6				PHI CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7 114 C.00 1.7				C.0 B10F13 C.0		0 -30		0 -30		0 -30		UNKNOWN			
FCINT	ALPHA	BETA	CM	CLM	CL	CLN	CLL	LA	CAN	CAF	XCP				
47	34.50	0.00	5.0042	-0.7251	0.0247	0.2110	0.2462	-0.2631	0.2803	-0.5435	-0.1827				
48	34.74	0.00	5.1023	-1.0088	0.5505	0.1107	0.2004	-0.2034	0.2040	-0.5400	-0.2111				
49	34.98	0.00	5.2246	-1.3067	0.9340	0.2373	0.2029	-0.2024	0.2038	-0.5322	-0.2043				
50	35.23	0.00	5.3755	-1.6074	0.9544	0.2105	0.3125	-0.2000	0.2478	-0.5044	-0.2172				
51	35.40	0.00	5.4345	-1.1204	0.9328	0.2131	0.2092	-0.2785	0.2945	-0.5734	-0.2082				
52	35.70	0.00	5.4726	-1.0116	1.0047	-0.0892	0.2522	-0.3103	0.2789	-0.5952	-0.1848				
53	35.95	0.00	5.4883	-0.9855	1.0022	-0.5485	0.2379	-0.3198	0.2718	-0.5916	-0.1761				
54	36.16	0.00	5.0112	-1.1070	1.0015	-1.1209	0.2313	-0.3303	0.2798	-0.6181	-0.2080				
55	36.41	0.00	5.7173	-1.1762	1.0750	-1.4073	0.2248	-0.3571	0.2779	-0.6350	-0.2058				
56	36.64	0.10	5.8320	-1.3103	1.1555	-0.9515	0.2241	-0.3571	0.2879	-0.6450	-0.2260				
57	36.86	0.00	5.8772	-1.3176	1.0015	-0.6176	0.2360	-0.3619	0.2984	-0.6402	-0.2262				
58	37.12	0.00	5.9521	-1.4246	0.9525	-0.0033	0.1997	-0.3537	0.3045	-0.6581	-0.2377				
59	37.34	0.00	6.1013	-1.4362	0.8855	0.4605	0.1910	-0.3403	0.3186	-0.6588	-0.2357				
60	37.50	0.10	6.1881	-1.2371	0.9004	0.5545	0.1320	-0.2830	0.3410	-0.6254	-0.1999				
61	37.62	0.00	6.2530	-1.2638	0.7721	0.9564	0.1173	-0.2743	0.3574	-0.6317	-0.2008				
62	38.04	0.10	6.3031	-1.2503	0.7515	1.3500	0.0940	-0.2703	0.3711	-0.6414	-0.2034				
63	38.27	0.00	6.5313	-1.4583	0.6357	1.7509	0.1004	-0.2824	0.3755	-0.6579	-0.2230				
64	38.51	0.00	6.6710	-1.5173	0.5557	2.2533	0.0046	-0.2801	0.3779	-0.6640	-0.2377				
65	38.74	0.00	6.7838	-1.6185	0.4571	2.7499	0.0087	-0.2856	0.3073	-0.6729	-0.2383				
66	38.94	0.07	6.9512	-1.6921	0.3552	2.8730	0.0025	-0.2917	0.3800	-0.6813	-0.2441				
67	39.17	0.07	6.9253	-1.6155	0.3855	2.6334	0.0117	-0.2931	0.3548	-0.6879	-0.2331				
68	39.39	0.00	7.0413	-1.5918	0.4179	2.5011	0.0051	-0.2970	0.3902	-0.6940	-0.2150				
69	39.58	0.07	7.0334	-1.5574	0.3360	1.8848	0.0223	-0.3108	0.3953	-0.7061	-0.1901				
70	39.81	0.06	7.0472	-1.3153	0.4221	2.0045	0.0215	-0.3076	0.3935	-0.7013	-0.1872				
71	40.00	0.06	7.0223	-1.1516	0.6544	1.3536	0.0061	-0.3049	0.3875	-0.6924	-0.1847				
72	40.20	0.00	7.0405	-1.1430	0.6800	1.4514	0.0033	-0.3240	0.3922	-0.7102	-0.1611				
73	40.39	0.00	7.1004	-1.1201	0.6218	1.1295	0.0045	-0.3211	0.3893	-0.7104	-0.1566				
74	40.59	0.06	7.1557	-1.0040	0.7912	1.1329	0.0045	-0.3234	0.3950	-0.7184	-0.1356				
75	40.83	0.10	7.4128	-1.2800	0.8492	1.4473	0.0466	-0.3143	0.4077	-0.7220	-0.1727				
76	41.03	0.10	7.5037	-1.2703	0.9133	1.4214	0.0355	-0.3259	0.4055	-0.7354	-0.1704				
77	41.23	0.00	7.5508	-1.2245	0.9055	1.5722	0.0251	-0.3265	0.4152	-0.7417	-0.1622				
78	41.45	0.00	7.7830	-1.5038	0.7755	2.0780	0.0240	-0.3379	0.4247	-0.7626	-0.1932				
79	41.62	0.00	7.6964	-1.3184	0.7880	2.0361	-0.0050	-0.3358	0.4126	-0.7464	-0.1713				
80	41.83	0.00	7.8226	-1.4044	0.8151	1.5450	-0.0043	-0.3404	0.4253	-0.7657	-0.1858				
81	42.03	0.11	7.9057	-1.3513	0.9535	1.5577	0.0334	-0.3426	0.4234	-0.7660	-0.1760				
82	42.20	0.10	7.9740	-1.5143	0.9041	1.9133	0.0324	-0.3465	0.4252	-0.7717	-0.1899				
83	42.40	0.00	8.0771	-1.5755	0.9447	1.7836	0.0476	-0.3470	0.4272	-0.7742	-0.1951				
84	42.58	0.10	8.1285	-1.4500	0.9557	1.0800	0.0483	-0.3541	0.4342	-0.7803	-0.1752				
85	42.76	0.10	8.3004	-1.0542	0.9657	2.3047	0.0246	-0.3401	0.4309	-0.7710	-0.2044				
86	42.93	0.10	8.3310	-1.0473	1.0042	1.5040	0.0333	-0.3435	0.4332	-0.7767	-0.1977				
87	43.13	0.11	8.4267	-1.0011	1.0364	2.1450	0.0328	-0.3435	0.4295	-0.7730	-0.2137				
88	43.32	0.12	8.5260	-1.7750	1.1500	1.7400	0.0635	-0.3519	0.4340	-0.7865	-0.2084				
89	43.49	0.11	8.5323	-1.7657	1.1133	1.8064	0.0561	-0.3499	0.4350	-0.7849	-0.2069				
90	43.66	0.12	8.6051	-1.4532	1.1382	1.9887	0.0629	-0.3500	0.4303	-0.7803	-0.2255				
91	43.85	0.12	8.7468	-2.0156	1.1762	2.0241	0.0630	-0.3466	0.4303	-0.7789	-0.2309				
92	44.02	0.12	8.8104	-2.1002	1.2065	1.7574	0.0659	-0.3679	0.4270	-0.7957	-0.2382				

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART WACH RX10-6											
114 G-6C 1.7											
C.C B10UF13 C.C											
0 -30 0 -30 UNKNOWN											
PCINT	ALPHA	BETA	LN	CLM	CY	CLL	CLL	CA	CAB	CAF	XCP
93	44.21	0.11	6.9514	-2.1845	1.1555	1.5827	0.0784	-0.3660	0.4286	-0.7948	-0.2441
94	44.40	0.12	6.0671	-2.2555	1.3570	1.7236	0.1086	-0.3703	0.4292	-0.7995	-0.2462
95	44.54	0.12	6.0681	-2.1656	1.3202	1.6027	0.1093	-0.3591	0.4320	-0.7911	-0.2363
96	44.77	0.11	6.1714	-2.2614	1.2761	1.6811	0.1093	-0.3720	0.4292	-0.8012	-0.2488
97	44.93	0.11	6.1736	-2.1536	1.2754	1.7059	0.1093	-0.3610	0.4320	-0.8130	-0.2351
98	45.13	0.11	6.2506	-2.2636	1.2631	1.7802	0.1094	-0.3739	0.4347	-0.8086	-0.2458
99	45.30	0.11	6.3177	-2.2651	1.2662	2.0663	0.0866	-0.3829	0.4363	-0.8192	-0.2452
100	45.47	0.12	6.4190	-2.3605	1.2510	1.9546	0.0945	-0.3902	0.4362	-0.8264	-0.2527
101	45.65	0.10	6.4813	-2.3206	1.2525	1.7636	0.0955	-0.3933	0.4351	-0.8324	-0.2447
102	45.82	0.12	6.6302	-2.4374	1.4421	1.8506	0.0953	-0.3874	0.4400	-0.8159	-0.2531
103	46.00	0.11	6.6605	-2.5701	1.3865	1.7054	0.0964	-0.3675	0.4554	-0.8229	-0.2453
104	46.18	0.11	6.7628	-2.3624	1.3566	1.4564	0.1122	-0.3652	0.4616	-0.8268	-0.2455
105	46.33	0.11	6.7555	-2.4245	1.3710	1.6590	0.0522	-0.3812	0.4574	-0.8386	-0.2485
106	46.52	0.10	6.7766	-2.5727	1.1645	1.8671	0.0897	-0.4038	0.4558	-0.8596	-0.2427
107	46.64	0.11	6.9059	-2.4763	1.3022	1.8079	0.0396	-0.4037	0.4576	-0.8615	-0.2499
108	46.85	0.11	6.9216	-2.4635	1.2656	1.5048	0.0620	-0.3922	0.4643	-0.8665	-0.2504
109	47.02	0.10	10.0355	-2.5335	1.2003	2.3538	0.0446	-0.4029	0.4681	-0.8711	-0.2529
110	47.20	0.10	10.0661	-2.4036	1.2235	2.0640	0.0534	-0.3968	0.4694	-0.8688	-0.2463
111	47.34	0.10	10.1447	-2.5116	1.2591	2.4866	0.0301	-0.3971	0.4757	-0.8725	-0.2476
112	47.54	0.10	10.2430	-2.6575	1.1931	2.7044	0.0250	-0.4039	0.4837	-0.8876	-0.2595
113	47.71	0.10	10.3022	-2.6454	1.1233	2.6217	0.0223	-0.4108	0.4889	-0.8997	-0.2572
114	47.85	0.10	10.4057	-2.6517	1.1775	2.6530	0.0086	-0.3940	0.5017	-0.8957	-0.2587
115	48.06	0.10	10.5226	-2.4873	1.0500	3.1004	-0.0075	-0.4010	0.5050	-0.9060	-0.2390
116	48.23	0.05	10.5643	-2.4961	1.0496	3.2037	-0.0076	-0.4043	0.5045	-0.9088	-0.2410
117	48.38	0.08	10.5204	-2.5535	0.8772	3.1190	-0.0143	-0.4141	0.5111	-0.9252	-0.2281
118	48.57	0.10	10.6727	-2.7342	1.1226	2.8235	0.0019	-0.4160	0.5182	-0.9342	-0.2562
119	48.73	0.05	10.7353	-2.2845	0.9571	3.1881	-0.0434	-0.4084	0.5151	-0.9275	-0.2208
120	48.88	0.06	10.4172	-2.2606	0.8123	3.1859	-0.0432	-0.4247	0.5300	-0.9547	-0.2112
121	49.06	0.07	10.4403	-2.2505	0.8196	3.1684	-0.0429	-0.4242	0.5272	-0.9514	-0.2156
122	49.25	0.05	10.7763	-2.6522	0.5877	3.1693	0.0065	-0.4315	0.5336	-0.9653	-0.2498
123	49.41	0.07	10.6137	-2.0308	0.7873	3.1475	-0.0572	-0.4419	0.5282	-0.9701	-0.1950
124	49.58	0.07	10.5298	-2.1375	0.8495	3.1547	-0.0643	-0.4620	0.5262	-0.9902	-0.2030
125	49.75	0.07	10.8132	-2.3545	0.6696	3.3241	-0.0423	-0.4536	0.5320	-0.9858	-0.2215
126	49.93	0.07	10.7446	-2.2203	0.8057	3.2841	-0.0422	-0.4727	0.5136	-0.9863	-0.2066
127	50.10	0.06	10.7164	-2.0552	0.7511	3.3195	-0.0641	-0.4628	0.5330	-0.9558	-0.1917
128	50.28	0.07	10.7246	-1.6746	0.6003	3.0655	-0.0703	-0.4730	0.5250	-0.9560	-0.1785
129	50.42	0.05	10.6793	-1.7514	0.6362	2.8546	-0.0692	-0.5015	0.5169	-1.0183	-0.1640
130	50.59	0.05	10.7215	-1.6626	0.5961	2.9648	-0.0787	-0.5154	0.4924	-1.0117	-0.1550
131	50.76	0.05	10.7681	-1.7055	0.6040	2.8327	-0.0633	-0.5336	0.4990	-1.0325	-0.1588
132	50.91	0.05	10.7655	-1.6677	0.5664	2.7981	-0.0631	-0.5122	0.5066	-1.0187	-0.1568
133	51.08	0.04	10.9652	-1.5345	0.5711	2.8115	-0.0533	-0.5020	0.5038	-1.0057	-0.1764
134	51.27	0.05	11.1070	-2.2301	0.6392	3.2415	-0.0473	-0.5055	0.5415	-1.0473	-0.1993
135	51.46	0.07	11.4610	-2.5305	0.7486	3.5935	-0.0398	-0.5081	0.5566	-1.0646	-0.2208
136	51.61	0.06	11.4765	-2.4687	0.6365	3.5167	-0.0391	-0.5142	0.5530	-1.0641	-0.2151
137	51.80	0.07	11.6622	-2.6730	0.7141	3.8343	-0.0253	-0.5010	0.5714	-1.0724	-0.2291
138	51.96	0.07	11.7466	-2.6077	0.7612	3.8426	-0.0397	-0.5171	0.5686	-1.0857	-0.2380

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: RX10-E												
7 114 G.C. 1.7			PHI CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION	
			G.C. B140F13		G.C.		U	-30	U	-30	UNKNOWN	
FCINT	ALPHA	BETA	CLN	CLM	CLY	CLN	CLL	CA	CAB	CAF	XCP	
139	52.16	0.09	11.9906	-2.5931	0.8861	4.4428	-0.0854	-0.5178	0.5766	-1.0944	-0.2496	
140	52.31	0.07	12.0081	-3.0047	0.7558	4.5167	-0.0850	-0.5136	0.5811	-1.0947	-0.2540	
141	52.46	0.07	12.0550	-3.3555	0.7263	4.6604	-0.0999	-0.5170	0.5915	-1.1023	-0.2535	
142	52.60	0.05	12.2107	-3.2180	0.5997	4.3896	-0.1134	-0.5314	0.5919	-1.1233	-0.2622	
143	52.85	0.10	12.5455	-3.4508	1.1655	4.1958	-0.1049	-0.5588	0.5768	-1.1356	-0.2745	
144	53.00	0.12	12.5750	-3.5301	1.2602	3.9761	-0.1043	-0.5580	0.5550	-1.1136	-0.2648	
145	53.17	0.10	12.6524	-3.5105	1.2778	3.8742	-0.0808	-0.5675	0.5321	-1.0796	-0.2775	
146	53.34	0.11	12.6848	-3.5506	1.3553	3.5040	-0.0807	-0.5741	0.5226	-1.0967	-0.2804	
147	53.51	0.11	12.7615	-3.5451	1.3463	3.7626	-0.0884	-0.5621	0.5302	-1.0923	-0.2778	
148	53.66	0.10	12.8413	-3.7544	1.2445	3.2538	-0.0204	-0.5516	0.5286	-1.0802	-0.2955	
149	53.83	0.11	12.8765	-3.8075	1.3379	3.3126	-0.0499	-0.5412	0.5381	-1.0793	-0.2957	
150	53.99	0.12	13.0173	-3.9407	1.3647	3.3768	-0.0427	-0.5377	0.5472	-1.0645	-0.3027	
151	54.17	0.12	13.3034	-4.2103	1.4334	3.0475	0.0107	-0.5493	0.5515	-1.1012	-0.3151	
152	54.34	0.10	13.4188	-4.1673	1.2423	2.8812	0.0398	-0.5563	0.5644	-1.1207	-0.3106	
153	54.50	0.11	13.3368	-3.9856	1.4045	2.7163	0.0267	-0.5592	0.5545	-1.1137	-0.2993	
154	54.66	0.10	13.5012	-4.0489	1.2535	3.1143	0.0408	-0.5504	0.5665	-1.1167	-0.3023	
155	54.81	0.11	13.4628	-4.0543	1.3016	2.8255	0.0415	-0.5606	0.5588	-1.1154	-0.3011	
156	55.01	0.12	13.5277	-4.0472	1.4523	2.7525	0.0563	-0.5408	0.5685	-1.1093	-0.2992	
157	55.16	0.11	13.6240	-4.1856	1.3245	2.8303	0.0420	-0.5560	0.5670	-1.1230	-0.3075	
158	55.31	0.11	13.6775	-4.1354	1.3146	2.8441	0.0419	-0.5640	0.5732	-1.1372	-0.3042	
159	55.48	0.11	13.6542	-4.2612	1.2758	3.0287	0.0424	-0.5469	0.5642	-1.1311	-0.3067	
160	55.64	0.12	13.6451	-4.0621	1.3621	2.6495	0.0429	-0.5451	0.5793	-1.1244	-0.2976	
161	55.80	0.12	13.7343	-3.9516	1.4722	2.8763	0.0421	-0.5887	0.5774	-1.1661	-0.2877	
162	55.94	0.09	13.5479	-3.9552	1.2540	2.6482	0.0355	-0.5612	0.5654	-1.1466	-0.2949	
163	56.12	0.11	13.9535	-4.1495	1.3480	2.8839	0.0431	-0.5625	0.5523	-1.1548	-0.2976	
164	56.29	0.11	13.9756	-4.2520	1.3606	2.9146	0.0503	-0.5533	0.5492	-1.1525	-0.3042	
165	56.45	0.11	14.0083	-4.2184	1.3371	2.7542	0.0517	-0.5538	0.6006	-1.1544	-0.3011	
166	56.61	0.12	14.0053	-3.9450	1.2535	2.8520	0.0511	-0.5417	0.6046	-1.1463	-0.2619	
167	56.77	0.11	14.2383	-4.2869	1.4129	2.7778	0.0734	-0.5686	0.6079	-1.1765	-0.3011	
168	56.91	0.08	13.5514	-3.9323	1.0245	2.7025	0.0519	-0.5792	0.6009	-1.1601	-0.2819	
169	57.08	0.10	14.0625	-4.1857	1.2732	2.8421	0.0511	-0.5657	0.6164	-1.1821	-0.2972	
170	57.21	0.09	13.9717	-4.0481	1.1447	2.6851	0.0602	-0.5723	0.6236	-1.1959	-0.2897	
171	57.36	0.07	13.5123	-3.8437	0.9254	2.5541	0.0815	-0.5518	0.6213	-1.1731	-0.2799	
172	57.51	0.06	13.4464	-3.9543	0.7713	2.7073	0.0453	-0.5647	0.6209	-1.1856	-0.2825	
173	57.65	0.06	13.6788	-3.8057	0.8544	2.4277	0.0605	-0.5505	0.6302	-1.1807	-0.2743	
174	57.80	0.07	14.0154	-3.8762	0.9506	2.5238	0.0748	-0.5629	0.6449	-1.2078	-0.2766	
175	57.94	0.06	13.9184	-3.8542	0.8876	2.2163	0.0540	-0.5547	0.6419	-1.1988	-0.2798	
176	58.11	0.06	14.1050	-4.1288	1.0566	2.4321	0.0752	-0.5576	0.6541	-1.2115	-0.2914	
177	58.21	0.05	13.5847	-3.9813	0.7675	2.5859	0.0747	-0.5516	0.6535	-1.2091	-0.2847	
178	58.21	0.07	13.8519	-3.7347	0.9895	2.4165	0.0747	-0.5703	0.6517	-1.2220	-0.2688	

PAGE 2 OF 3
SHEET 1 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART	MACH	NO. 10-6	PHI	CANF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	114	0.00	1.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FCINT	ALPHA	BETA	CNF1	CH1	CH2	XCFF1	YCFF1	CNF2	CH2	CH2	XCFF2	YCFF2
1	-5.70	0.00	-0.0031	0.0044	0.0154	-1.4201	-4.9513	-0.8188	-0.0238	-0.3579	0.0291	0.4370
2	-5.69	0.00	0.0018	0.0056	0.0182	3.2233	10.3077	-0.8158	-0.0241	-0.3565	0.0256	0.4366
3	-5.69	0.01	0.0070	0.0064	0.0202	0.5146	2.8806	-0.8219	-0.0234	-0.3580	0.0285	0.4355
4	-4.98	0.01	0.0046	0.0060	0.0181	1.3050	3.9256	-0.7857	-0.0249	-0.3480	0.0317	0.4429
5	-3.12	0.01	0.0034	0.0057	0.0172	1.0774	5.0455	-0.7574	-0.0249	-0.3360	0.0329	0.4438
6	-1.38	0.01	0.0040	0.0065	0.0165	1.3544	3.5112	-0.7277	-0.0241	-0.3242	0.0332	0.4456
7	0.43	0.02	0.0035	0.0057	0.0145	1.4623	3.7041	-0.7563	-0.0241	-0.3307	0.0319	0.4372
8	2.17	0.01	0.0165	0.0060	0.0138	0.5508	1.2509	-0.8188	-0.0240	-0.3499	0.0355	0.4273
9	3.69	0.01	0.0121	0.0054	0.0154	0.4465	1.2685	-0.7625	-0.0317	-0.3392	0.0406	0.4335
10	5.04	0.02	0.0160	0.0043	0.0164	0.4059	1.5427	-0.7344	-0.0348	-0.3213	0.0473	0.4375
11	7.45	0.02	0.0075	0.0044	0.0177	0.5870	2.3542	-0.7106	-0.0396	-0.3052	0.0557	0.4255
12	9.14	0.02	0.0135	0.0051	0.0225	0.3700	1.6846	-0.6862	-0.0465	-0.2944	0.0674	0.4296
13	10.90	0.01	0.0210	0.0057	0.0266	0.2716	1.2659	-0.6553	-0.0486	-0.2556	0.0741	0.4511
14	12.63	0.02	0.0197	0.0054	0.0205	0.2743	1.3444	-0.6037	-0.0485	-0.2702	0.0776	0.4475
15	14.36	0.01	0.0073	0.0031	0.0192	0.4244	2.6246	-0.5238	-0.0466	-0.2358	0.0889	0.4578
16	16.20	0.01	0.0114	0.0028	0.0272	0.2457	2.3848	-0.4716	-0.0448	-0.2240	0.0949	0.4756
17	18.01	0.01	0.0051	0.0064	0.0357	0.1143	0.9534	-0.3660	-0.0361	-0.1736	0.0985	0.4743
18	19.79	0.00	0.0145	0.0047	0.0700	0.0650	0.9650	-0.2450	-0.0233	-0.1238	0.0950	0.5041
19	21.60	0.02	0.0121	0.0064	0.1058	0.0039	1.0366	-0.1786	-0.0139	-0.0922	0.0780	0.5162
20	23.42	0.02	0.0077	0.0033	0.1040	-0.0408	1.2421	-0.0732	0.0004	-0.0476	-0.0055	0.6505
21	25.25	0.01	0.0057	0.0031	0.0915	-0.1207	1.0276	0.0297	0.0224	-0.0013	0.0756	-0.0439
22	27.04	0.01	0.0237	0.0141	0.0731	0.1141	0.5909	0.1332	0.0423	0.0398	0.1172	0.2985
23	28.11	0.03	0.0057	0.0260	0.1111	0.1206	0.5339	0.1668	0.0431	0.0533	0.2883	0.3157
24	28.23	0.01	0.0112	0.0150	0.0936	0.1175	0.5819	0.1623	0.0496	0.0536	0.3053	0.3303
25	28.60	0.02	0.0167	0.0187	0.1004	0.1131	0.6062	0.1771	0.0523	0.0589	0.2952	0.3325
26	28.92	0.02	0.0160	0.0221	0.1025	0.1228	0.5713	0.1930	0.0555	0.0675	0.2875	0.3497
27	29.18	0.03	0.2136	0.0265	0.1156	0.1261	0.5383	0.2208	0.0596	0.0780	0.2699	0.3533
28	29.50	0.03	0.1901	0.0230	0.1127	0.1163	0.5088	0.2195	0.0608	0.0792	0.2769	0.3609
29	29.75	0.03	0.3032	0.0364	0.1543	0.1195	0.5091	0.2520	0.0645	0.0916	0.2559	0.3634
30	30.07	0.04	0.2645	0.0333	0.1460	0.1172	0.5203	0.2627	0.0669	0.0968	0.2546	0.3684
31	30.33	0.05	0.3051	0.0358	0.1555	0.1172	0.5098	0.2759	0.0692	0.1024	0.2509	0.3713
32	30.60	0.04	0.3247	0.0355	0.1655	0.1164	0.5232	0.2876	0.0707	0.1063	0.2459	0.3760
33	30.88	0.03	0.2850	0.0315	0.1534	0.1121	0.5384	0.2934	0.0717	0.1128	0.2444	0.3844
34	31.14	0.03	0.2076	0.0225	0.1307	0.1084	0.6292	0.2752	0.0722	0.1069	0.2623	0.3885
35	31.42	0.04	0.1733	0.0185	0.1084	0.1092	0.6259	0.2751	0.0727	0.1077	0.2642	0.3916
36	31.65	0.03	0.1007	0.0175	0.1040	0.1040	0.6704	0.2813	0.0734	0.1080	0.2610	0.3841
37	31.95	0.02	0.1101	0.0127	0.0842	0.1155	0.7652	0.3048	0.0760	0.1191	0.2494	0.3907
38	32.22	0.03	0.0460	0.0121	0.0750	0.1255	0.7766	0.3137	0.0767	0.1224	0.2445	0.3902
39	32.48	0.04	0.1721	0.0175	0.1154	0.1042	0.6706	0.3241	0.0775	0.1262	0.2392	0.3894
40	32.75	0.04	0.1654	0.0196	0.1051	0.1166	0.6354	0.3478	0.0790	0.1365	0.2272	0.3923
41	33.00	0.04	0.1645	0.0220	0.0950	0.1341	0.5780	0.3729	0.0795	0.1495	0.2132	0.4005
42	33.20	0.05	0.2360	0.0252	0.1257	0.1239	0.5327	0.3894	0.0805	0.1556	0.2068	0.3997
43	33.50	0.06	0.2433	0.0282	0.1358	0.1161	0.5136	0.3967	0.0810	0.1598	0.2042	0.4027
44	33.76	0.07	0.2847	0.0327	0.1546	0.1150	0.5432	0.4100	0.0813	0.1665	0.1983	0.4061
45	34.03	0.07	0.2550	0.0255	0.1514	0.1156	0.5846	0.4130	0.0816	0.1679	0.1976	0.4065
46	34.26	0.06	0.2425	0.0202	0.1067	0.0960	0.5699	0.4144	0.0821	0.1692	0.1982	0.4083

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME	REF	PHI	CNF1	LM1	CM1	XCPI1	YCPI1	CNF2	CM2	CB2	XCPI2	YCPI2
1	114 0.00 1.7	0.0	0.10013	C.C	U	-30	U	-30	UNKNOWN			
PCINT	ALPHA	BETA	CNF1	LM1	CM1	XCPI1	YCPI1	CNF2	CM2	CB2	XCPI2	YCPI2
47	34.50	0.08	0.2552	0.0258	0.1513	0.1004	0.5929	0.4218	0.0822	0.1724	0.1545	0.4088
48	34.74	0.05	0.3008	0.0318	0.1896	0.1052	0.5535	0.4367	0.0822	0.1784	0.1883	0.4088
49	34.98	0.05	0.3011	0.0262	0.1754	0.0871	0.5760	0.4367	0.0825	0.1776	0.1850	0.4088
50	35.23	0.05	0.3265	0.0245	0.1876	0.0751	0.5728	0.4441	0.0828	0.1817	0.1865	0.4092
51	35.48	0.05	0.3005	0.0258	0.1871	0.0852	0.5555	0.4651	0.0825	0.1893	0.1774	0.4088
52	35.70	0.05	0.3465	0.0357	0.1858	0.1029	0.5088	0.4928	0.0811	0.2039	0.1646	0.4138
53	35.93	0.08	0.3173	0.0384	0.1800	0.1209	0.5041	0.5081	0.0801	0.2085	0.1577	0.4111
54	36.16	0.08	0.3212	0.0410	0.1804	0.1275	0.4993	0.5231	0.0797	0.2145	0.1524	0.4100
55	36.41	0.08	0.3280	0.0426	0.1802	0.1298	0.4883	0.5413	0.0789	0.2195	0.1458	0.4055
56	36.64	0.10	0.3020	0.0387	0.1806	0.1214	0.5324	0.5350	0.0800	0.2186	0.1496	0.4090
57	36.88	0.05	0.2788	0.0312	0.1524	0.1121	0.5468	0.5335	0.0796	0.2203	0.1492	0.4129
58	37.12	0.05	0.2268	0.0258	0.1305	0.1171	0.5917	0.5274	0.0795	0.2192	0.1515	0.4156
59	37.34	0.05	0.1807	0.0084	0.1285	0.0468	0.7025	0.5257	0.0835	0.2195	0.1532	0.4183
60	37.58	0.10	0.1858	0.0100	0.1181	0.0605	0.7133	0.5271	0.0812	0.2218	0.1541	0.4204
61	37.82	0.05	0.1332	0.0013	0.1087	0.0098	0.8183	0.5164	0.0820	0.2190	0.1588	0.4241
62	38.04	0.10	0.0558	0.0125	0.0585	0.1257	0.9931	0.5194	0.0818	0.2208	0.1575	0.4251
63	38.27	0.05	0.0457	0.0321	0.0865	0.0482	1.7985	0.5244	0.0818	0.2207	0.1580	0.4205
64	38.51	0.05	0.0428	0.0385	0.0588	0.0755	1.9735	0.5343	0.0830	0.2247	0.1539	0.4167
65	38.74	0.08	0.0338	0.0358	0.0290	0.1822	2.6453	0.5559	0.0818	0.2308	0.1468	0.4153
66	38.94	0.07	0.0088	0.0462	0.0032	4.5542	7.1708	0.5687	0.0788	0.2342	0.1351	0.4132
67	39.17	0.07	0.0374	0.0442	0.0470	1.1505	0.1253	0.5727	0.0785	0.2386	0.1371	0.4131
68	39.39	0.08	0.0588	0.0375	0.0307	0.0347	0.5247	0.5775	0.0784	0.2376	0.1323	0.4114
69	39.56	0.07	0.0405	0.0514	0.0382	0.7757	0.8942	0.5854	0.0725	0.2391	0.1238	0.4084
70	39.81	0.08	0.0035	0.0176	0.0481	0.0313	1.7295	0.5902	0.0723	0.2413	0.1225	0.4088
71	40.00	0.08	0.0440	0.0078	0.0851	0.1774	1.4774	0.6022	0.0709	0.2460	0.1177	0.4085
72	40.20	0.08	0.0853	0.0008	0.0871	0.0052	1.0278	0.6084	0.0689	0.2502	0.1133	0.4113
73	40.39	0.05	0.0870	0.0044	0.0756	0.0507	0.8893	0.6114	0.0683	0.2516	0.1117	0.4118
74	40.59	0.08	0.0573	0.0055	0.0782	0.0578	0.8040	0.6175	0.0673	0.2539	0.1090	0.4113
75	40.83	0.10	0.0785	0.0070	0.0888	0.0893	1.0301	0.6252	0.0655	0.2563	0.1048	0.4100
76	41.05	0.10	0.0715	0.0030	0.0724	0.0420	1.0130	0.6296	0.0665	0.2578	0.1053	0.4094
77	41.23	0.05	0.0342	0.0081	0.0574	0.1765	1.6779	0.6327	0.0651	0.2588	0.1025	0.4090
78	41.45	0.05	0.0787	0.0108	0.0801	0.1375	1.0185	0.6464	0.0631	0.2650	0.0976	0.4095
79	41.62	0.05	0.0447	0.0146	0.0456	0.0937	3.1120	0.6380	0.0616	0.2609	0.0965	0.4085
80	41.83	0.05	0.0037	0.0188	0.0391	0.5430	10.5472	0.6472	0.0591	0.2633	0.0913	0.4088
81	42.03	0.11	0.0753	0.0182	0.0855	0.2421	1.1406	0.6560	0.0601	0.2674	0.0918	0.4076
82	42.20	0.10	0.1298	0.0202	0.1138	0.1584	0.8777	0.6678	0.0602	0.2725	0.0901	0.4081
83	42.40	0.05	0.1148	0.0225	0.1047	0.1563	0.9122	0.6696	0.0581	0.2717	0.0887	0.4058
84	42.58	0.10	0.1048	0.0195	0.0980	0.1863	0.9352	0.6838	0.0571	0.2690	0.0860	0.4052
85	42.76	0.10	0.0457	0.0288	0.0701	0.0305	1.5322	0.6613	0.0537	0.2656	0.0812	0.4016
86	42.93	0.10	0.0170	0.0288	0.0880	0.3747	1.1428	0.6818	0.0512	0.2655	0.0773	0.4013
87	43.13	0.11	0.0522	0.0284	0.0533	0.2886	1.0119	0.6516	0.0483	0.2557	0.0741	0.3984
88	43.32	0.12	0.1415	0.0225	0.1144	0.1588	0.8094	0.6618	0.0486	0.2642	0.0734	0.3992
89	43.45	0.11	0.1085	0.0287	0.1005	0.2455	0.9267	0.6534	0.0447	0.2601	0.0684	0.3980
90	43.68	0.12	0.1430	0.0280	0.1175	0.1820	0.8214	0.6698	0.0452	0.2636	0.0674	0.3938
91	43.85	0.12	0.1433	0.0278	0.1170	0.1542	0.8161	0.6689	0.0434	0.2640	0.0650	0.3958
92	44.02	0.12	0.1818	0.0245	0.1350	0.1351	0.7433	0.6716	0.0405	0.2642	0.0602	0.3934

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART FACE AXIS-6 PHI CNF CHI CEL1 DEL2 CEL3 CEL4 TRANSITION												
7		114 0.00 1.7		0.0 61.0F13 C.C		0 -30		0 -30		UNKNOWN		
FLINT	ALPHA	BETA	CNF1	CHI1	CHI	XCPF1	YCPF1	CNF2	CHI2	CB2	XCPF2	YCPF2
93	44.21	0.11	0.1831	-0.0232	0.1336	-0.1269	0.7300	0.6730	0.0406	0.2650	0.0603	0.3537
94	44.40	0.12	0.1973	-0.0212	0.1383	-0.1076	0.7009	0.6761	0.0350	0.2672	0.0576	0.3552
95	44.55	0.12	0.2287	-0.0173	0.1537	-0.0758	0.6722	0.6762	0.0386	0.2660	0.0573	0.3933
96	44.77	0.11	0.2458	-0.0125	0.1578	-0.0517	0.6316	0.6852	0.0382	0.2692	0.0557	0.3929
97	44.93	0.11	0.2111	-0.0166	0.1445	-0.0738	0.6335	0.6838	0.0378	0.2667	0.0552	0.3525
98	45.13	0.11	0.2255	-0.0122	0.1478	-0.0532	0.6440	0.6942	0.0378	0.2729	0.0544	0.3531
99	45.30	0.11	0.1859	-0.0155	0.1308	-0.0857	0.7039	0.6927	0.0370	0.2728	0.0533	0.3538
100	45.47	0.12	0.2125	-0.0125	0.1427	-0.0569	0.6715	0.6973	0.0363	0.2742	0.0520	0.3532
101	45.65	0.10	0.2141	-0.0116	0.1405	-0.0552	0.6580	0.7063	0.0363	0.2767	0.0513	0.3518
102	45.82	0.12	0.2235	-0.0034	0.1394	-0.0152	0.6236	0.7076	0.0363	0.2788	0.0512	0.3940
103	46.00	0.11	0.2278	-0.0018	0.1403	-0.0075	0.6131	0.7122	0.0361	0.2798	0.0506	0.3929
104	46.18	0.11	0.2352	-0.0034	0.1533	-0.0131	0.5915	0.7153	0.0357	0.2808	0.0498	0.3527
105	46.33	0.11	0.2117	-0.0003	0.1274	-0.0014	0.6019	0.7183	0.0353	0.2830	0.0451	0.3546
106	46.52	0.10	0.2014	-0.0050	0.1321	-0.0240	0.6345	0.7197	0.0354	0.2820	0.0451	0.3918
107	46.69	0.11	0.2011	-0.0064	0.1377	-0.0418	0.6846	0.7241	0.0356	0.2842	0.0451	0.3925
108	46.85	0.11	0.1818	-0.0062	0.1216	-0.0342	0.6890	0.7266	0.0352	0.2865	0.0482	0.3932
109	47.02	0.10	0.1908	-0.0106	0.0968	-0.0811	0.7553	0.7301	0.0348	0.2869	0.0476	0.3925
110	47.20	0.10	0.1577	-0.0064	0.0972	-0.0405	0.7057	0.7256	0.0349	0.2855	0.0480	0.3934
111	47.35	0.10	0.0900	-0.0153	0.0818	-0.1703	0.9095	0.7406	0.0350	0.2903	0.0472	0.3926
112	47.54	0.10	0.0464	-0.0160	0.0633	-0.3001	1.3621	0.7347	0.0350	0.2876	0.0476	0.3914
113	47.71	0.10	0.0353	-0.0152	0.0565	-0.5442	1.6000	0.7391	0.0346	0.2902	0.0489	0.3926
114	47.89	0.10	0.0302	-0.0156	0.0542	-0.6444	1.7936	0.7391	0.0345	0.2906	0.0467	0.3932
115	48.06	0.10	-0.0418	-0.0268	0.0270	-0.6415	-0.6656	0.7391	0.0351	0.2858	0.0474	0.3521
116	48.23	0.09	-0.0406	-0.0268	0.0290	-0.6572	-0.7106	0.7405	0.0352	0.2923	0.0475	0.3547
117	48.38	0.08	-0.0353	-0.0260	0.0280	-0.6615	-0.7122	0.7451	0.0354	0.2916	0.0474	0.3511
118	48.57	0.10	0.0340	-0.0153	0.0434	-0.5544	1.2598	0.7540	0.0354	0.2955	0.0466	0.3919
119	48.73	0.05	-0.0600	-0.0268	0.0007	-0.3356	-0.0388	0.7406	0.0356	0.2887	0.0480	0.3898
120	48.88	0.08	-0.0571	-0.0257	0.0116	-0.3063	0.1200	0.7509	0.0350	0.2946	0.0465	0.3923
121	49.06	0.07	-0.0515	-0.0308	0.0117	-0.3372	0.1264	0.7570	0.0353	0.2957	0.0466	0.3906
122	49.23	0.05	0.0066	-0.0225	0.0405	-0.3106	0.8896	0.7689	0.0354	0.3004	0.0460	0.3507
123	49.41	0.07	-0.1379	-0.0324	0.0380	-0.2352	0.2752	0.7570	0.0349	0.2957	0.0460	0.3506
124	49.58	0.07	-0.1537	-0.0341	0.0416	-0.2221	0.2704	0.7630	0.0344	0.2980	0.0452	0.3506
125	49.75	0.07	-0.0790	-0.0310	0.0442	-0.3531	0.0534	0.7719	0.0341	0.3025	0.0452	0.3919
126	49.93	0.07	-0.0568	-0.0255	0.0405	-0.3044	0.0674	0.7735	0.0343	0.3011	0.0444	0.3893
127	50.10	0.06	-0.1401	-0.0343	0.0415	-0.2451	0.2568	0.7810	0.0340	0.3051	0.0436	0.3907
128	50.26	0.07	-0.1703	-0.0350	0.0353	-0.2633	0.3486	0.7826	0.0331	0.3040	0.0424	0.3885
129	50.42	0.05	-0.1277	-0.0343	0.0414	-0.2690	0.3239	0.7887	0.0329	0.3091	0.0418	0.3885
130	50.59	0.05	-0.1752	-0.0370	0.0425	-0.2603	0.3506	0.7977	0.0328	0.3093	0.0412	0.3877
131	50.76	0.05	-0.1741	-0.0377	0.0402	-0.2163	0.3561	0.8022	0.0324	0.3107	0.0404	0.3873
132	50.91	0.05	-0.1512	-0.0345	0.04572	-0.2204	0.3704	0.8037	0.0327	0.3106	0.0407	0.3867
133	51.08	0.04	-0.1035	-0.0305	0.04283	-0.2540	0.2725	0.7962	0.0342	0.3068	0.0430	0.3853
134	51.27	0.05	-0.0652	-0.0275	0.04176	-0.2620	0.2087	0.8021	0.0346	0.3096	0.0432	0.3859
135	51.46	0.07	-0.0585	-0.0275	0.04211	-0.2837	0.2141	0.8134	0.0334	0.3159	0.0434	0.3865
136	51.61	0.06	-0.0911	-0.0282	0.0435	-0.3101	0.1742	0.8214	0.0356	0.3167	0.0433	0.3855
137	51.80	0.07	-0.0653	-0.0312	0.0452	-0.3506	0.1035	0.8335	0.0350	0.3217	0.0419	0.3860
138	51.96	0.07	-0.1011	-0.0322	0.0426	-0.3229	0.1242	0.8365	0.0350	0.3231	0.0418	0.3863

PALE 2 OF 3
 SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RXIC-6			PHI CNF		L DEL1 DEL2 DEL3 DEL4 TRANSITION							
7 114 J-60 1-1			0.0 0.0013 0.0		J -30		0 -30 UNKNOWN					
POINT	ALPHA	BETA	CNF1	CH1	CH2	ALPH1	YLPF1	CNF2	CH2	C82	XCPF2	YCPF2
139	52.16	0.05	-0.1619	-0.0376	-0.0307	0.2319	0.3131	0.8548	0.0329	0.3289	0.0385	0.3848
140	52.31	0.07	-0.1572	-0.0361	-0.0447	0.2293	0.2942	0.8560	0.0331	0.3264	0.0367	0.3837
141	52.48	0.07	-0.1745	-0.0386	-0.0531	0.2205	0.3038	0.8606	0.0325	0.3259	0.0378	0.3833
142	52.60	0.09	-0.2112	-0.0360	-0.0624	0.1797	0.3903	0.8711	0.0314	0.3349	0.0361	0.3844
143	52.65	0.10	-0.2172	-0.0381	-0.0551	0.1660	0.4406	0.8608	0.0310	0.3282	0.0361	0.3813
144	53.00	0.12	-0.1555	-0.0346	-0.0605	0.1742	0.4354	0.8474	0.0307	0.3230	0.0363	0.3812
145	53.17	0.10	-0.1545	-0.0320	-0.0507	0.1644	0.4653	0.8311	0.0314	0.3142	0.0378	0.3781
146	53.34	0.11	-0.1447	-0.0215	-0.0747	0.1408	0.5162	0.8326	0.0309	0.3167	0.0372	0.3804
147	53.51	0.11	-0.2204	-0.0326	-0.0645	0.1401	0.4761	0.8262	0.0315	0.3129	0.0381	0.3776
148	53.66	0.10	-0.1157	-0.0145	-0.0565	0.1290	0.5146	0.8359	0.0333	0.2568	0.0424	0.3777
149	53.83	0.11	-0.1456	-0.0202	-0.0762	0.1374	0.5227	0.8024	0.0329	0.3030	0.0411	0.3777
150	53.94	0.12	-0.1607	-0.0234	-0.0785	0.1458	0.4910	0.8403	0.0336	0.2546	0.0426	0.3791
151	54.17	0.12	-0.0506	-0.0091	-0.0453	0.1006	0.5443	0.7839	0.0344	0.2963	0.0437	0.3756
152	54.34	0.10	-0.0613	-0.0017	-0.0305	0.0278	0.4983	0.7767	0.0350	0.2533	0.0450	0.3776
153	54.50	0.11	-0.0647	-0.0037	-0.0337	0.0728	0.5216	0.7948	0.0340	0.3007	0.0428	0.3784
154	54.66	0.10	-0.0365	-0.0035	-0.0150	-0.1665	0.4095	0.7688	0.0345	0.2972	0.0438	0.3768
155	54.81	0.11	-0.0560	-0.0007	-0.0255	0.0121	0.4470	0.7975	0.0335	0.3017	0.0420	0.3781
156	55.01	0.12	-0.0376	0.0008	-0.0053	-0.1543	0.2401	0.7782	0.0332	0.2513	0.0452	0.3743
157	55.16	0.11	-0.0565	0.0014	-0.0170	-0.0247	0.2985	0.7932	0.0348	0.2977	0.0438	0.3753
158	55.31	0.11	-0.0422	0.0017	-0.0132	-0.0463	0.3114	0.7953	0.0340	0.3005	0.0426	0.3760
159	55.48	0.11	-0.0500	0.0023	-0.0137	-0.0455	0.2696	0.7947	0.0344	0.2991	0.0433	0.3764
160	55.64	0.12	-0.0450	0.0020	-0.0133	-0.0445	0.2943	0.8036	0.0336	0.3034	0.0419	0.3776
161	55.80	0.12	-0.0350	0.0033	-0.0084	-0.0847	0.2161	0.8111	0.0333	0.3072	0.0411	0.3787
162	55.94	0.09	-0.0331	0.0003	-0.0136	-0.0057	0.2551	0.8185	0.0334	0.3100	0.0409	0.3787
163	56.12	0.11	-0.0607	0.0005	-0.0176	-0.0149	0.2697	0.8064	0.0339	0.3035	0.0421	0.3765
164	56.29	0.11	-0.0602	0.0005	-0.0125	-0.0150	0.2670	0.8093	0.0341	0.3052	0.0422	0.3772
165	56.45	0.11	-0.0500	0.0023	-0.0077	-0.0460	0.1545	0.8123	0.0345	0.3062	0.0425	0.3765
166	56.61	0.12	-0.0386	0.0057	-0.0023	-0.1477	0.0596	0.8137	0.0341	0.3062	0.0420	0.3762
167	56.77	0.11	-0.0518	0.0051	0.0016	-0.0585	-0.0349	0.8032	0.0344	0.3023	0.0429	0.3764
168	56.91	0.08	-0.0277	0.0005	0.0005	-0.2348	-0.1992	0.8182	0.0328	0.3088	0.0401	0.3773
169	57.06	0.10	-0.0450	0.0064	0.0021	-0.1307	-0.0430	0.7970	0.0344	0.3010	0.0432	0.3777
170	57.21	0.09	-0.0387	0.0076	0.0052	-0.1505	-0.1346	0.8075	0.0340	0.3044	0.0422	0.3770
171	57.36	0.07	-0.0200	0.0056	0.0171	-0.3358	-0.5563	0.8050	0.0341	0.3030	0.0425	0.3774
172	57.51	0.06	-0.0512	0.0045	0.0014	-0.0769	-0.0246	0.8114	0.0337	0.3083	0.0416	0.3757
173	57.65	0.06	-0.0245	0.0056	0.0177	-0.5520	-0.7207	0.8104	0.0341	0.3063	0.0421	0.3775
174	57.80	0.07	-0.0165	0.0116	0.0258	-0.7034	-1.0526	0.7909	0.0345	0.2554	0.0437	0.3786
175	57.94	0.06	-0.0246	0.0101	0.0185	-0.4108	-0.7504	0.8102	0.0333	0.3072	0.0412	0.3791
176	58.11	0.06	-0.0375	0.0101	0.0180	-0.2608	-0.4209	0.8042	0.0336	0.3065	0.0418	0.3811
177	58.21	0.05	-0.0431	0.0075	0.0151	-0.1836	-0.3691	0.7984	0.0335	0.3017	0.0420	0.3779
178	58.21	0.07	-0.0417	0.0050	0.0145	-0.2156	-0.3464	0.8013	0.0335	0.3038	0.0419	0.3792

PAGE 3 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

PLANT	TEST PART		MACH		AXIS		PHI	CONF		DEL1	DEL2		DEL3	DEL4		TRANSITION
	7	114	C-2C	1-7				C-2C	1-7		0	-30		0	-30	UNKNOWN
PLANT	ALPHA	BETA	CNF2	CNF3	CNF4	CNF5	ALPHA	YCPFF3	CNF4	CNF5	ALPHA	YCPFF3	CNF4	CNF5	ALPHA	YCPFF3
1	-5.70	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2	-5.69	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	-5.69	0.01	0.0121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4	-4.98	0.01	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5	-5.12	0.01	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6	-1.38	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7	0.43	0.02	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8	2.17	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
9	3.89	0.01	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	5.64	0.02	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	7.45	0.02	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	9.14	0.02	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	10.50	0.01	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	12.03	0.02	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	14.36	0.01	0.0030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
16	16.20	0.01	0.0030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17	16.01	0.01	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
18	19.75	0.00	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19	21.60	0.02	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	23.42	0.02	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21	25.20	0.01	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	27.04	0.01	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	28.11	0.03	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	28.23	0.01	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	28.60	0.02	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	28.92	0.02	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	29.10	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	29.50	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	29.75	0.05	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	30.07	0.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31	30.33	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	30.60	0.04	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
33	30.88	0.03	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	31.14	0.03	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	31.42	0.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
36	31.68	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
37	31.95	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
38	32.22	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
39	32.48	0.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40	32.75	0.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
41	33.00	0.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
42	33.26	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
43	33.50	0.06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
44	33.78	0.07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
45	34.00	0.07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
46	34.26	0.08	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME		PHI CONF		DEL1 DEL2 DEL3 DEL4 TRANSITION		DEL1 DEL2 DEL3 DEL4 TRANSITION		DEL1 DEL2 DEL3 DEL4 TRANSITION		DEL1 DEL2 DEL3 DEL4 TRANSITION		DEL1 DEL2 DEL3 DEL4 TRANSITION	
7 114 0.00 1.7		C.C 814CF13 C.C		0 -30 0 -30 0 -30 0 -30		0 -30 0 -30 0 -30 0 -30		0 -30 0 -30 0 -30 0 -30		0 -30 0 -30 0 -30 0 -30		0 -30 0 -30 0 -30 0 -30	
PCANT	ALPHA	BETA	CNF3	CNF4	CNF5	YCPF3	YCPF4	CNF4	CNF5	CNF6	CNF7	YCPF4	YCPF5
47	34.50	0.08	0.0054	0.0054	0.0025	0.0059	0.0059	0.0059	0.0059	0.0026	0.0026	0.0059	0.0059
48	34.74	0.09	0.0152	0.0054	0.0005	0.0059	0.0059	0.0059	0.0059	0.0032	0.0032	0.0059	0.0059
49	34.98	0.09	0.0150	0.0054	0.0022	0.0059	0.0059	0.0059	0.0059	0.0032	0.0032	0.0059	0.0059
50	35.23	0.09	0.0204	0.0054	0.0051	0.0059	0.0059	0.0059	0.0059	0.0026	0.0026	0.0059	0.0059
51	35.46	0.09	0.0122	0.0054	0.0051	0.0059	0.0059	0.0059	0.0059	0.0030	0.0030	0.0059	0.0059
52	35.70	0.09	0.0205	0.0054	0.0087	0.0059	0.0059	0.0059	0.0059	0.0036	0.0036	0.0059	0.0059
53	35.93	0.08	0.0055	0.0054	0.0014	0.0059	0.0059	0.0059	0.0059	0.0038	0.0038	0.0059	0.0059
54	36.16	0.08	0.0314	0.0054	0.0134	0.0059	0.0059	0.0059	0.0059	0.0039	0.0039	0.0059	0.0059
55	36.41	0.08	0.0220	0.0054	0.0105	0.0059	0.0059	0.0059	0.0059	0.0040	0.0040	0.0059	0.0059
56	36.64	0.10	0.0215	0.0054	0.0130	0.0059	0.0059	0.0059	0.0059	0.0019	0.0019	0.0059	0.0059
57	36.86	0.09	0.0055	0.0054	0.0014	0.0059	0.0059	0.0059	0.0059	0.0023	0.0023	0.0059	0.0059
58	37.12	0.09	0.0200	0.0054	0.0105	0.0059	0.0059	0.0059	0.0059	0.0023	0.0023	0.0059	0.0059
59	37.34	0.09	0.0055	0.0054	0.0056	0.0059	0.0059	0.0059	0.0059	0.0030	0.0030	0.0059	0.0059
60	37.50	0.10	0.0132	0.0054	0.0073	0.0059	0.0059	0.0059	0.0059	0.0039	0.0039	0.0059	0.0059
61	37.82	0.09	0.0231	0.0054	0.0114	0.0059	0.0059	0.0059	0.0059	0.0018	0.0018	0.0059	0.0059
62	38.04	0.10	0.0054	0.0054	0.0070	0.0059	0.0059	0.0059	0.0059	0.0026	0.0026	0.0059	0.0059
63	38.27	0.09	0.0055	0.0054	0.0043	0.0059	0.0059	0.0059	0.0059	0.0024	0.0024	0.0059	0.0059
64	38.51	0.09	0.0011	0.0054	0.0037	0.0059	0.0059	0.0059	0.0059	0.0030	0.0030	0.0059	0.0059
65	38.74	0.08	0.0071	0.0054	0.0014	0.0059	0.0059	0.0059	0.0059	0.0022	0.0022	0.0059	0.0059
66	38.94	0.07	0.0113	0.0054	0.0005	0.0059	0.0059	0.0059	0.0059	0.0021	0.0021	0.0059	0.0059
67	39.17	0.07	0.0003	0.0054	0.0043	0.0059	0.0059	0.0059	0.0059	0.0016	0.0016	0.0059	0.0059
68	39.34	0.08	0.0003	0.0054	0.0043	0.0059	0.0059	0.0059	0.0059	0.0016	0.0016	0.0059	0.0059
69	39.56	0.07	0.0052	0.0054	0.0037	0.0059	0.0059	0.0059	0.0059	0.0010	0.0010	0.0059	0.0059
70	39.81	0.06	0.0031	0.0054	0.0036	0.0059	0.0059	0.0059	0.0059	0.0012	0.0012	0.0059	0.0059
71	40.03	0.08	0.0011	0.0054	0.0042	0.0059	0.0059	0.0059	0.0059	0.0030	0.0030	0.0059	0.0059
72	40.20	0.08	0.0050	0.0054	0.0075	0.0059	0.0059	0.0059	0.0059	0.0030	0.0030	0.0059	0.0059
73	40.39	0.09	0.0115	0.0054	0.0102	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059
74	40.59	0.08	0.0132	0.0054	0.0110	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059
75	40.83	0.10	0.0200	0.0054	0.0142	0.0059	0.0059	0.0059	0.0059	0.0030	0.0030	0.0059	0.0059
76	41.03	0.10	0.0155	0.0054	0.0151	0.0059	0.0059	0.0059	0.0059	0.0031	0.0031	0.0059	0.0059
77	41.23	0.09	0.0173	0.0054	0.0122	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059
78	41.45	0.09	0.0133	0.0054	0.0165	0.0059	0.0059	0.0059	0.0059	0.0032	0.0032	0.0059	0.0059
79	41.62	0.09	0.0132	0.0054	0.0104	0.0059	0.0059	0.0059	0.0059	0.0036	0.0036	0.0059	0.0059
80	41.83	0.09	0.0173	0.0054	0.0117	0.0059	0.0059	0.0059	0.0059	0.0030	0.0030	0.0059	0.0059
81	42.03	0.11	0.0146	0.0054	0.0105	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059
82	42.20	0.10	0.0240	0.0054	0.0102	0.0059	0.0059	0.0059	0.0059	0.0035	0.0035	0.0059	0.0059
83	42.40	0.09	0.0254	0.0054	0.0155	0.0059	0.0059	0.0059	0.0059	0.0037	0.0037	0.0059	0.0059
84	42.58	0.10	0.0241	0.0054	0.0147	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059
85	42.70	0.10	0.0158	0.0054	0.0132	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059
86	42.93	0.10	0.0200	0.0054	0.0134	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059
87	43.13	0.11	0.0254	0.0054	0.0155	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059
88	43.32	0.12	0.0227	0.0054	0.0143	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059
89	43.49	0.11	0.0305	0.0054	0.0172	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059
90	43.66	0.12	0.0254	0.0054	0.0166	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059
91	43.85	0.12	0.0227	0.0054	0.0147	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059
92	44.02	0.12	0.0305	0.0054	0.0233	0.0059	0.0059	0.0059	0.0059	0.0033	0.0033	0.0059	0.0059

PAGE 3 OF 3
SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MAC+ RX10=6												
7 114 C.60 1.7			PH4 CNF		L		CEL1 DEL2		CEL3		CEL4 TRANSITION	
			0.0 0.10013 C.C		C		-30		0 -30		UNKNOWN	
PCINT	ALPHA	BETA	CNF2	CNF3	CNF4	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	44.21	0.11	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226
94	44.40	0.12	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214
95	44.55	0.12	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255	0.0255
96	44.77	0.11	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375
97	44.93	0.11	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240
98	45.13	0.11	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254
99	45.30	0.11	0.0307	0.0307	0.0307	0.0307	0.0307	0.0307	0.0307	0.0307	0.0307	0.0307
100	45.47	0.12	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280
101	45.65	0.10	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322
102	45.82	0.12	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
103	46.00	0.11	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212
104	46.18	0.11	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385
105	46.33	0.11	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280
106	46.52	0.10	0.0321	0.0321	0.0321	0.0321	0.0321	0.0321	0.0321	0.0321	0.0321	0.0321
107	46.69	0.11	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254
108	46.85	0.11	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
109	47.02	0.10	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
110	47.20	0.10	0.0335	0.0335	0.0335	0.0335	0.0335	0.0335	0.0335	0.0335	0.0335	0.0335
111	47.39	0.10	0.0293	0.0293	0.0293	0.0293	0.0293	0.0293	0.0293	0.0293	0.0293	0.0293
112	47.54	0.10	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212
113	47.71	0.10	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158
114	47.89	0.10	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235
115	48.06	0.10	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185
116	48.23	0.09	0.0263	0.0263	0.0263	0.0263	0.0263	0.0263	0.0263	0.0263	0.0263	0.0263
117	48.38	0.08	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114
118	48.57	0.10	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324	0.0324
119	48.73	0.09	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235
120	48.88	0.08	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213
121	49.06	0.07	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262
122	49.25	0.05	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240
123	49.41	0.07	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104
124	49.58	0.07	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155
125	49.75	0.07	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158
126	49.93	0.07	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117
127	50.10	0.06	0.0145	0.0145	0.0145	0.0145	0.0145	0.0145	0.0145	0.0145	0.0145	0.0145
128	50.28	0.07	0.0177	0.0177	0.0177	0.0177	0.0177	0.0177	0.0177	0.0177	0.0177	0.0177
129	50.42	0.05	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
130	50.59	0.05	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
131	50.76	0.05	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
132	50.91	0.05	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220
133	51.08	0.04	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
134	51.27	0.05	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
135	51.46	0.07	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
136	51.61	0.06	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
137	51.80	0.07	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
138	51.96	0.07	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		PHI		CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		114		0.00		1.7		0		-30		0		-30		UNKNOWN	
FCIAT	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8	CONF9	CONF10	CONF11	CONF12	CONF13	CONF14	CONF15
139	52.10	0.05	0.0051	0.0055	0.0103	0.0099	0.1355	0.0972	0.0470	0.3172	0.0674	0.4549					
140	52.31	0.07	0.0105	0.0055	0.0104	0.0055	0.0930	0.7017	0.0474	0.3188	0.0682	0.4543					
141	52.48	0.07	0.0174	0.0055	0.0126	0.0055	0.7207	0.7069	0.0465	0.3201	0.0657	0.4528					
142	52.60	0.09	0.0105	0.0055	0.0106	0.0055	0.9254	0.7128	0.0474	0.3255	0.0672	0.4567					
143	52.75	0.10	0.0115	0.0055	0.0108	0.0055	0.9105	0.7225	0.0474	0.3250	0.0656	0.4553					
144	52.90	0.12	0.0126	0.0055	0.0151	0.0055	0.0000	0.7200	0.0405	0.3312	0.0640	0.4562					
145	53.05	0.10	0.0108	0.0055	0.0127	0.0055	0.0724	0.7296	0.0454	0.3332	0.0622	0.4566					
146	53.20	0.11	0.0154	0.0055	0.0162	0.0055	0.7144	0.7315	0.0434	0.3337	0.0600	0.4562					
147	53.51	0.11	0.0160	0.0055	0.0125	0.0055	0.8026	0.7444	0.0431	0.3357	0.0578	0.4563					
148	53.66	0.10	0.0201	0.0055	0.0135	0.0055	0.0088	0.7274	0.0426	0.3324	0.0565	0.4569					
149	53.83	0.11	0.0173	0.0055	0.0141	0.0055	0.8118	0.7367	0.0424	0.3365	0.0575	0.4568					
150	53.99	0.12	0.0226	0.0055	0.0166	0.0055	0.7260	0.7555	0.0425	0.3453	0.0562	0.4571					
151	54.17	0.12	0.0173	0.0055	0.0141	0.0055	0.8118	0.7550	0.0415	0.3470	0.0546	0.4572					
152	54.34	0.10	0.0225	0.0055	0.0163	0.0055	0.7097	0.7715	0.0418	0.3524	0.0541	0.4568					
153	54.50	0.11	0.0242	0.0055	0.0176	0.0055	0.7337	0.7602	0.0422	0.3477	0.0555	0.4574					
154	54.66	0.10	0.0201	0.0055	0.0156	0.0055	0.7036	0.7603	0.0420	0.3488	0.0558	0.4552					
155	54.81	0.11	0.0202	0.0055	0.0143	0.0055	0.7052	0.7565	0.0426	0.3468	0.0562	0.4582					
156	55.01	0.12	0.0203	0.0055	0.0105	0.0055	0.0720	0.7651	0.0416	0.3488	0.0543	0.4559					
157	55.16	0.11	0.0241	0.0055	0.0176	0.0055	0.7568	0.7681	0.0422	0.3513	0.0549	0.4574					
158	55.31	0.11	0.0241	0.0055	0.0165	0.0055	0.7659	0.7745	0.0418	0.3523	0.0535	0.4549					
159	55.48	0.11	0.0173	0.0055	0.0156	0.0055	0.0088	0.7759	0.0421	0.3530	0.0542	0.4556					
160	55.64	0.12	0.0310	0.0055	0.0195	0.0055	0.0408	0.7681	0.0414	0.3508	0.0545	0.4568					
161	55.80	0.12	0.0214	0.0055	0.0165	0.0055	0.7686	0.7645	0.0420	0.3455	0.0545	0.4576					
162	55.94	0.09	0.0173	0.0055	0.0141	0.0055	0.8118	0.7600	0.0424	0.3481	0.0557	0.4581					
163	56.12	0.11	0.0241	0.0055	0.0176	0.0055	0.7035	0.7777	0.0415	0.3565	0.0533	0.4583					
164	56.29	0.11	0.0200	0.0055	0.0142	0.0055	0.7073	0.7675	0.0406	0.3554	0.0515	0.4563					
165	56.45	0.11	0.0155	0.0055	0.0157	0.0055	0.7864	0.7672	0.0414	0.3606	0.0525	0.4580					
166	56.61	0.12	0.0155	0.0055	0.0164	0.0055	0.8217	0.7743	0.0422	0.3555	0.0544	0.4591					
167	56.77	0.11	0.0213	0.0055	0.0161	0.0055	0.7536	0.7795	0.0412	0.3584	0.0528	0.4557					
168	56.91	0.08	0.0241	0.0055	0.0162	0.0055	0.0702	0.7697	0.0416	0.3521	0.0543	0.4575					
169	57.08	0.10	0.0165	0.0055	0.0144	0.0055	0.7754	0.7751	0.0403	0.3573	0.0519	0.4609					
170	57.21	0.09	0.0165	0.0055	0.0144	0.0055	0.7754	0.7644	0.0404	0.3555	0.0515	0.4583					
171	57.36	0.07	0.0118	0.0055	0.0111	0.0055	0.9437	0.7765	0.0406	0.3576	0.0522	0.4605					
172	57.51	0.06	0.0118	0.0055	0.0111	0.0055	0.9437	0.7622	0.0412	0.3514	0.0540	0.4611					
173	57.65	0.06	0.0226	0.0055	0.0157	0.0055	0.6925	0.7733	0.0407	0.3551	0.0526	0.4591					
174	57.80	0.07	0.0155	0.0055	0.0145	0.0055	0.7401	0.7672	0.0400	0.3510	0.0521	0.4576					
175	57.94	0.08	0.0157	0.0055	0.0142	0.0055	0.9010	0.7593	0.0407	0.3489	0.0533	0.4590					
176	58.11	0.08	0.0171	0.0055	0.0136	0.0055	0.7920	0.7630	0.0399	0.3593	0.0509	0.4588					
177	58.21	0.09	0.0090	0.0055	0.0102	0.0055	1.1370	0.7734	0.0403	0.3534	0.0523	0.4576					
178	58.21	0.07	0.0156	0.0055	0.0135	0.0055	0.8208	0.7688	0.0404	0.3532	0.0525	0.4595					

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RX10-6											
7 115 U.S.C 1.7 C.C. 0100F13 C.C. 0 30 0 30 UNKNOWN											
PCINT	ALPHA	BETA	LA	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
1	-5.75	0.01	-1.2255	5.5645	0.1020	-0.2141	0.0034	1.2486	0.4237	0.8249	-3.6602
2	-5.75	0.02	-1.2255	5.5645	0.1020	-0.1404	0.0096	1.2500	0.4107	0.8313	-3.6485
3	-5.74	0.02	-1.2255	5.5673	0.0832	-0.3084	0.0100	1.2502	0.4251	0.8251	-3.7441
4	-5.65	0.01	-1.2100	5.5552	0.0244	-0.1753	0.0034	1.2483	0.4210	0.8273	-3.7339
5	-4.13	0.02	-1.4154	5.7241	0.0580	-0.2889	0.0106	1.2439	0.4284	0.8155	-4.0723
6	-2.30	0.02	-1.3049	5.7050	0.1341	-0.3504	0.0175	1.2207	0.4234	0.7973	-4.3745
7	-0.50	0.01	-1.2255	5.5647	0.0347	-0.2182	0.0114	1.1800	0.3761	0.8047	-4.7741
8	1.21	0.01	-1.2254	5.5610	-0.0000	-0.1344	0.0121	1.1722	0.3077	0.8645	-5.3306
9	3.07	0.01	-1.1535	5.5553	-0.0065	-0.3227	0.0125	1.1320	0.2674	0.8645	-5.7731
10	4.78	0.02	-1.0016	5.4152	0.0524	-0.1451	0.0131	1.0919	0.2583	0.8335	-6.4663
11	6.60	0.01	-0.8365	5.3415	0.0256	-0.0600	0.0136	1.0479	0.2480	0.7599	-7.5573
12	8.37	0.02	-0.7065	5.2350	0.1105	-0.1849	0.0209	1.0082	0.2350	0.7052	-8.6063
13	10.14	0.01	-0.4463	5.5518	0.0125	-0.0465	0.0147	0.9503	0.2337	0.7166	-13.2502
14	11.96	0.01	-0.1052	5.4684	-0.0744	-0.0200	0.0150	0.8845	0.2275	0.6366	-29.2039
15	13.74	0.01	0.3068	5.0775	-0.0190	-0.0216	0.0158	0.7510	0.2086	0.5630	-58.4664
16	15.60	0.01	0.4121	4.5151	0.0217	-0.0175	0.0420	0.1038	0.2053	0.4485	10.9498
17	17.45	0.01	0.7523	3.7458	-0.0125	0.1107	0.0675	0.0039	0.2053	0.3586	4.7327
18	19.33	0.01	1.1011	2.5274	-0.0700	0.2537	0.0930	0.5029	0.2127	0.2502	2.4785
19	21.21	-0.00	1.5750	2.2101	-0.2331	0.6375	0.1103	0.4170	0.2185	0.1993	1.4032
20	23.09	-0.01	1.9886	1.8341	-0.3141	0.6174	0.1060	0.3172	0.2271	0.0900	0.6217
21	24.94	0.01	2.3725	1.2443	-0.1406	0.5211	0.0571	0.2397	0.2349	0.0048	0.5245
22	26.80	0.03	2.7277	1.1250	0.2545	-0.2155	0.0429	0.1444	0.2320	-0.0876	0.3919
23	28.18	0.04	3.1347	1.0050	0.4234	-1.1097	0.1146	0.0942	0.2366	-0.1606	0.3397
24	28.18	0.04	3.1474	1.0032	0.3203	-0.1204	0.1140	0.0897	0.2324	-0.1427	0.3178
25	28.21	0.04	3.1217	1.0156	0.4085	-1.0755	0.1145	0.0970	0.2312	-0.1343	0.3266
26	28.61	0.05	3.2481	0.9917	0.5030	-1.2050	0.1215	0.0613	0.2307	-0.1694	0.2745
27	28.67	0.05	3.3145	0.9710	0.5524	-1.4446	0.1283	0.0686	0.2324	-0.1638	0.2627
28	29.10	0.04	3.3521	0.7712	0.5175	-1.1603	0.1411	0.0426	0.2306	-0.1680	0.2273
29	29.49	0.07	3.5051	0.6370	0.7301	-1.2563	0.1673	0.0279	0.2331	-0.2052	0.1817
30	29.78	0.06	3.6527	0.4001	0.7154	-1.3010	0.2000	0.0051	0.2331	-0.2280	0.1316
31	30.05	0.06	3.6757	0.5236	0.7584	-1.4678	0.1940	-0.0060	0.2377	-0.2437	0.1423
32	30.34	0.07	3.8101	0.4245	0.6325	-1.5073	0.2073	-0.0206	0.2306	-0.2574	0.1109
33	30.61	0.06	3.9550	0.3422	0.7716	-1.4765	0.2207	-0.0410	0.2380	-0.2790	0.0865
34	30.69	0.08	4.0750	0.3545	0.9034	-1.3765	0.2209	-0.0603	0.2343	-0.2997	0.0670
35	31.16	0.07	4.1958	0.3238	0.9582	-1.4534	0.2279	-0.0727	0.2413	-0.3141	0.0771
36	31.44	0.08	4.2504	0.2705	0.9100	-1.0093	0.2340	-0.0700	0.2455	-0.3246	0.0630
37	31.71	0.06	4.3781	0.2405	0.7458	-1.0199	0.2339	-0.0924	0.2460	-0.3385	0.0584
38	31.97	0.08	4.4545	0.2182	0.8003	-0.8072	0.2340	-0.0917	0.2460	-0.3378	0.0450
39	32.25	0.07	4.5225	0.3214	0.8294	-1.0827	0.2095	-0.1249	0.2439	-0.3688	0.0695
40	32.52	0.05	4.7513	0.1814	0.6041	-0.5524	0.2217	-0.1513	0.2446	-0.3561	0.0337
41	32.78	0.07	4.8745	0.2222	0.7508	-0.8580	0.2100	-0.1538	0.2415	-0.3953	0.0456
42	33.04	0.07	4.9415	0.2017	0.8205	-1.3522	0.1856	-0.1618	0.2344	-0.4162	0.0914
43	33.29	0.07	5.0313	0.0022	0.9175	-1.7702	0.1739	-0.1656	0.2319	-0.4175	0.1193
44	33.53	0.07	5.0824	0.3047	0.8846	-1.8230	0.1486	-0.1955	0.2296	-0.4253	0.1111
45	33.80	0.07	5.1575	0.7251	0.8828	-1.8332	0.1491	-0.1877	0.2324	-0.4201	0.1402
46	34.05	0.06	5.3305	0.7731	0.7392	-1.5409	0.1437	-0.2281	0.2256	-0.4574	0.1449

PAGE 1 OF 3
SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART NAME RXIG-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 115 G.9C 1.7			C.0	B100F13	J.0	J	-30	0	-30	UNKNOWN	
FCINT	ALPHA	BETA	CN	CLM	CY	CLL	CLL	CA	CAB	CAF	XCP
47	34.29	0.07	5.4326	0.8227	0.5188	-1.7341	0.1503	-0.2077	0.2336	-0.4413	0.1523
48	34.54	0.06	5.4845	0.8524	0.7513	-1.3805	0.1503	-0.2243	0.2327	-0.4620	0.1189
49	34.80	0.04	5.5869	0.8951	0.5588	-1.2363	0.1246	-0.2497	0.2295	-0.4798	0.1781
50	35.03	0.02	5.6220	1.0011	0.2558	-0.5796	0.1116	-0.2603	0.2265	-0.4869	0.1762
51	35.28	0.03	5.8158	1.0085	0.3133	-0.7824	0.0992	-0.2763	0.2241	-0.5025	0.1734
52	35.51	0.01	5.8407	1.0877	0.1735	-0.4255	0.0475	-0.2841	0.2241	-0.5083	0.1862
53	35.76	0.02	5.8544	1.0440	0.2785	-0.7148	0.0994	-0.2845	0.2232	-0.5082	0.1771
54	36.00	0.01	6.0052	1.1017	0.1625	-0.2132	0.0288	-0.2954	0.2207	-0.5161	0.1968
55	36.21	0.01	6.0257	1.1371	0.0814	0.0223	0.0091	-0.2955	0.2220	-0.5155	0.1887
56	36.47	-0.01	6.1472	1.2537	-0.1235	0.5371	-0.0238	-0.3163	0.2230	-0.5363	0.2023
57	36.70	0.02	6.3440	1.3216	0.1533	0.5864	0.0407	-0.3276	0.2216	-0.5492	0.2083
58	36.94	-0.02	6.3551	1.2275	-0.2757	1.0129	-0.0032	-0.3276	0.2204	-0.5480	0.1932
59	37.18	0.00	6.4109	1.2238	-0.1148	0.5655	-0.0949	-0.3263	0.2208	-0.5471	0.1909
60	37.41	-0.01	6.4946	1.2352	-0.1512	0.7789	-0.0171	-0.3305	0.2225	-0.5590	0.1902
61	37.64	-0.02	6.5552	1.2177	-0.2665	0.9102	-0.0171	-0.3425	0.2217	-0.5642	0.1856
62	37.88	0.00	6.6364	1.1541	0.0072	0.7325	0.0280	-0.3476	0.2220	-0.5698	0.1739
63	38.11	-0.05	6.6623	1.2414	-0.0144	0.5096	0.0417	-0.3439	0.2246	-0.5885	0.1862
64	38.35	0.02	6.7006	1.2225	0.2165	0.3153	0.1131	-0.3462	0.2254	-0.5716	0.1812
65	38.59	-0.01	6.6637	1.2738	-0.1308	0.5505	0.1052	-0.3471	0.2216	-0.5749	0.1858
66	38.81	-0.01	6.9620	1.1800	-0.1618	1.1423	0.0408	-0.3724	0.2296	-0.6020	0.1703
67	39.04	0.02	7.0701	1.1805	0.1652	0.7173	0.0422	-0.3808	0.2295	-0.6183	0.1670
68	39.28	-0.03	7.1374	1.2238	-0.1453	1.3033	0.0322	-0.3803	0.2333	-0.6216	0.1715
69	39.49	0.01	7.2121	1.2705	0.0217	1.5243	0.0462	-0.3804	0.2382	-0.6066	0.1762
70	39.71	0.00	7.3131	1.2117	-0.1174	1.4895	0.0260	-0.3803	0.2358	-0.6201	0.1657
71	39.94	-0.03	7.4120	1.3004	-0.4478	1.9152	0.0019	-0.3936	0.2355	-0.6331	0.1765
72	40.14	-0.01	7.4581	1.1835	-0.1705	1.7462	0.0086	-0.3934	0.2365	-0.6244	0.1552
73	40.35	-0.03	7.5572	1.2560	-0.5070	2.3362	0.0072	-0.4114	0.2355	-0.6505	0.1665
74	40.54	-0.04	7.5364	1.2141	-0.4255	2.1275	-0.0117	-0.3805	0.2376	-0.6263	0.1611
75	40.75	-0.03	7.6326	1.2825	-0.4652	2.0526	-0.0236	-0.4244	0.2402	-0.6846	0.1681
76	40.96	-0.03	7.6805	1.1551	-0.3162	1.5734	0.0089	-0.3944	0.2444	-0.6438	0.1561
77	41.17	-0.02	7.7885	1.2288	-0.3575	2.0492	-0.0422	-0.4229	0.2412	-0.6841	0.1575
78	41.39	-0.01	7.8885	1.0537	-0.2017	2.3582	-0.0178	-0.4016	0.2423	-0.6619	0.1336
79	41.60	-0.01	7.9175	1.1721	-0.1583	2.0016	-0.0099	-0.4313	0.2386	-0.6655	0.1480
80	41.81	-0.04	8.0073	1.1571	-0.5087	1.8528	-0.0340	-0.4002	0.2362	-0.6565	0.1445
81	42.02	-0.02	8.1130	1.0355	-0.2428	2.1918	-0.0099	-0.4457	0.2424	-0.6882	0.1281
82	42.22	-0.02	8.1065	1.2410	-0.2238	1.5005	-0.0197	-0.4063	0.2325	-0.7152	0.1521
83	42.42	-0.02	8.2228	1.1445	-0.3445	2.0709	-0.0151	-0.4559	0.2412	-0.6972	0.1392
84	42.61	-0.02	8.2627	1.2262	-0.2745	1.2855	-0.0183	-0.4751	0.2337	-0.7089	0.1486
85	42.74	-0.01	8.3700	1.1575	-0.1705	1.4723	0.0130	-0.4902	0.2378	-0.7280	0.1383
86	42.97	-0.02	8.3650	1.2410	-0.1887	0.8534	0.0218	-0.5000	0.2271	-0.7331	0.1483
87	43.15	-0.02	8.5268	1.0058	-0.3089	1.4226	-0.0310	-0.5350	0.2229	-0.7579	0.1174
88	43.32	-0.01	8.5213	1.0558	-0.2237	1.2203	-0.0303	-0.5157	0.2240	-0.7447	0.1219
89	43.51	-0.02	8.5933	1.0308	-0.3032	1.1899	-0.0168	-0.5202	0.2316	-0.7518	0.1207
90	43.64	-0.02	8.6550	0.9552	-0.4448	1.4025	-0.0322	-0.5109	0.2344	-0.7458	0.1154
91	43.88	-0.01	8.8033	1.0521	-0.1671	0.7498	-0.0139	-0.5450	0.2237	-0.7687	0.1195
92	44.04	-0.02	8.7162	0.9528	-0.3445	1.6206	-0.0181	-0.5146	0.2465	-0.7611	0.1139

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	PACK	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	115	0.90	1.7	0.0	8160F13	0.0	0	-30	0	UNKNOWN	
PCINT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
93	44.23	0.01	8.5126	0.8887	-0.0195	0.9757	-0.0277	-0.5563	0.2315	-0.7878	0.0995
94	44.46	-0.00	8.5552	1.0231	-0.1422	0.7148	0.0188	-0.5400	0.2352	-0.7752	0.1142
95	44.62	-0.01	8.5563	1.0537	-0.1909	0.2571	-0.0112	-0.5295	0.2331	-0.7626	0.1221
96	44.61	0.01	9.0622	1.0090	-0.0402	0.8268	-0.0265	-0.5501	0.2336	-0.7837	0.1113
97	44.99	0.00	9.0920	0.8447	-0.1655	1.7330	-0.0488	-0.5313	0.2431	-0.7745	0.0929
98	45.17	-0.00	9.1130	1.0345	0.0408	0.4502	0.0004	-0.5504	0.2344	-0.7908	0.1136
99	45.35	-0.02	9.2528	0.8312	-0.1600	1.1448	0.0117	-0.5646	0.2402	-0.8048	0.0898
100	45.53	-0.03	9.3337	0.8614	-0.3005	1.4951	-0.0466	-0.5693	0.2368	-0.8061	0.0944
101	45.73	-0.02	9.4144	0.9158	-0.0880	0.4126	-0.0104	-0.5722	0.2361	-0.8083	0.0973
102	45.89	-0.02	9.4233	0.8113	-0.2761	1.8163	-0.0244	-0.5582	0.2310	-0.8052	0.0861
103	46.07	-0.02	9.5740	0.8862	-0.1068	0.5587	-0.0104	-0.5829	0.2486	-0.8315	0.0926
104	46.24	-0.01	9.6065	0.8018	-0.0118	0.0541	0.0107	-0.5910	0.2373	-0.8283	0.0835
105	46.42	-0.03	9.6572	0.7868	-0.2238	0.8891	-0.0230	-0.5947	0.2369	-0.8316	0.0805
106	46.59	-0.01	9.6777	0.4327	-0.0530	0.5808	-0.0101	-0.6003	0.2361	-0.8364	0.0964
107	46.78	-0.01	9.8330	0.7577	-0.0252	0.5183	-0.0395	-0.6133	0.2381	-0.8514	0.0811
108	46.94	0.00	9.8961	0.9145	-0.0372	1.4433	-0.0238	-0.6037	0.2418	-0.8455	0.0924
109	47.13	0.00	10.0420	0.5951	-0.1107	2.8260	-0.0813	-0.5371	0.2667	-0.8038	0.0557
110	47.29	0.01	9.9750	0.9523	0.0890	1.2528	-0.0245	-0.5892	0.2365	-0.8457	0.0555
111	47.46	-0.01	10.0833	0.8698	-0.1858	1.7163	-0.0384	-0.5983	0.2460	-0.8443	0.0664
112	47.64	-0.01	10.2515	0.8015	-0.2575	1.9004	-0.0383	-0.6055	0.2557	-0.8656	0.0782
113	47.82	0.01	10.2331	0.8171	-0.0142	1.8883	-0.0514	-0.6103	0.2588	-0.8672	0.0798
114	48.01	-0.02	10.3783	0.7674	-0.2415	1.0780	-0.0371	-0.6411	0.2517	-0.8929	0.0739
115	48.18	0.00	10.5704	0.8320	0.2808	1.8290	-0.0386	-0.6293	0.2667	-0.8561	0.0802
116	48.36	0.00	10.4830	0.7616	0.0217	2.0080	-0.0321	-0.6082	0.2610	-0.8679	0.0726
117	48.54	0.00	10.5707	0.8650	0.0332	2.0237	-0.0361	-0.6190	0.2728	-0.8919	0.0625
118	48.68	0.01	10.4888	0.7132	0.0302	2.3959	-0.0461	-0.5895	0.2872	-0.8768	0.0680
119	48.88	0.01	10.7230	0.5785	0.1750	2.4007	-0.0710	-0.5888	0.3000	-0.8888	0.0540
120	49.05	0.01	10.8350	0.0351	0.0430	3.0305	-0.0732	-0.5315	0.3637	-0.8952	0.0032
121	49.21	0.00	10.8992	0.1462	0.1441	2.8040	-0.0587	-0.5635	0.3517	-0.8952	0.0134
122	49.39	0.01	11.0864	-0.3631	0.2051	2.2807	-0.0765	-0.5276	0.3587	-0.8863	-0.0346
123	49.58	0.03	11.1661	-0.0006	0.4412	2.6174	-0.0341	-0.5065	0.3636	-0.8501	-0.0537
124	49.75	0.02	11.2251	-0.5417	0.2555	2.4044	-0.0638	-0.5239	0.3739	-0.8978	-0.0482
125	49.97	0.06	11.8778	-1.7527	0.4454	2.9176	-0.0375	-0.4700	0.4532	-0.9233	-0.1476
126	50.14	0.04	11.9350	-2.0872	0.4688	3.0548	-0.0395	-0.4754	0.4128	-0.8883	-0.1748
127	50.31	0.02	11.8400	-1.5852	0.3460	2.0765	-0.0101	-0.5140	0.3717	-0.8857	-0.1339
128	50.46	0.05	11.9500	-1.7955	0.6632	2.0795	-0.0233	-0.5226	0.3630	-0.8856	-0.1503
129	50.65	0.05	12.0851	-1.7450	0.6965	1.7966	0.0102	-0.5143	0.3743	-0.8886	-0.1450
130	50.81	0.07	12.1057	-1.8561	0.5051	1.9365	0.0029	-0.5120	0.3716	-0.8836	-0.1533
131	51.00	0.07	12.3825	-2.4112	0.5457	1.9230	-0.0093	-0.5171	0.3880	-0.9051	-0.1947
132	51.18	0.05	12.5020	-2.5445	0.7995	1.7479	0.0177	-0.4810	0.4055	-0.8866	-0.2035
133	51.33	0.08	12.5266	-2.6124	1.0223	2.1527	0.0156	-0.5234	0.4014	-0.9248	-0.2085
134	51.54	0.05	13.0000	-3.4967	0.4687	2.3531	-0.0210	-0.4807	0.4309	-0.9117	-0.2672
135	51.69	0.07	12.5118	-3.3107	0.8384	2.5187	-0.0226	-0.4740	0.4347	-0.9088	-0.2564
136	51.85	0.04	12.9116	-3.2801	0.5392	2.4521	-0.0345	-0.4683	0.4407	-0.9091	-0.2540
137	52.06	0.05	13.4257	-3.5132	0.7637	2.3831	-0.0078	-0.4676	0.4515	-0.9192	-0.2914
138	52.22	0.08	13.3088	-3.6505	1.0502	2.1595	-0.0076	-0.4666	0.4574	-0.9241	-0.2773

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	WING-6	PHI	CONF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	115	0.50	1.7	C.C. B1	0.13	C.O	0	-30	0	-30	UNKNOWN
FCINT	ALPHA	BETA	CN	CLM	CY	LLN	CLL	CA	CAB	CAF	XCP
139	52.38	0.06	13.2582	-3.7555	0.7546	2.2277	-0.0373	-0.4314	0.4656	-0.6971	-0.2824
140	52.56	0.12	13.2717	-3.6226	1.3610	2.2672	0.0173	-0.4442	0.4738	-0.6201	-0.2709
141	52.73	0.06	13.5605	-3.7773	1.0080	2.1486	0.0315	-0.4288	0.4741	-0.9036	-0.2750
142	52.91	0.11	13.6416	-3.6702	1.2660	1.9501	0.0195	-0.4546	0.4745	-0.9292	-0.2837
143	53.08	0.10	13.7165	-3.8582	1.2156	2.1175	0.0150	-0.4555	0.4758	-0.9354	-0.2842
144	53.25	0.05	13.6473	-3.9752	0.8297	1.6372	0.0206	-0.4714	0.4852	-0.9566	-0.2913
145	53.40	0.11	13.7754	-4.0300	1.4225	1.9574	0.0193	-0.4585	0.4850	-0.9475	-0.2926
146	53.56	0.10	13.6296	-3.8512	1.3492	1.7563	0.0199	-0.4386	0.4849	-0.9215	-0.2826
147	53.73	0.06	13.7053	-3.9413	1.0253	1.8201	0.0379	-0.4422	0.4909	-0.9331	-0.2876
148	53.88	0.04	13.6760	-4.0084	1.2609	1.6576	0.0206	-0.4233	0.4898	-0.9131	-0.2930
149	54.04	0.05	13.7265	-3.9835	1.1630	1.7119	0.0210	-0.4415	0.4934	-0.9369	-0.2902
150	54.19	0.06	13.7659	-4.0664	0.8716	1.6457	0.0344	-0.4641	0.4885	-0.9526	-0.2964
151	54.36	0.07	13.8211	-4.0665	0.5553	1.5589	0.0221	-0.4632	0.4950	-0.9582	-0.2943
152	54.50	0.07	13.8611	-3.8327	0.9494	1.3345	0.0335	-0.4153	0.4979	-0.9132	-0.2801
153	54.66	0.07	13.9523	-4.0732	0.5464	1.2696	0.0303	-0.4385	0.5044	-0.9429	-0.2911
154	54.83	0.06	13.8528	-3.9465	0.8554	1.3551	0.0405	-0.4633	0.5064	-0.9657	-0.2885
155	54.97	0.07	13.8864	-4.0367	0.9355	1.2919	0.0363	-0.4494	0.5073	-0.9567	-0.2906
156	55.14	0.06	14.0135	-3.9462	1.0746	1.1460	0.0560	-0.4609	0.5122	-0.9531	-0.2852
157	55.31	0.05	14.0469	-3.9025	0.8397	1.2567	0.0625	-0.4302	0.5109	-0.9411	-0.2782
158	55.44	0.04	14.0435	-3.9567	1.1656	1.0812	0.0626	-0.4428	0.5138	-0.9586	-0.2803
159	55.59	0.06	14.0467	-3.8771	0.8152	1.0651	0.0538	-0.4654	0.5215	-0.9673	-0.2760
160	55.73	0.07	14.0525	-3.8442	0.9525	1.1636	0.0606	-0.4467	0.5239	-0.9706	-0.2760
161	55.90	0.03	14.0110	-3.7785	0.5726	1.0611	0.0699	-0.4510	0.5333	-0.9843	-0.2716
162	56.06	0.01	13.8764	-3.6110	0.3369	1.3110	0.0695	-0.4316	0.5341	-0.9859	-0.2602
163	56.19	0.06	13.8775	-3.9160	0.7437	1.5226	0.0680	-0.4073	0.5400	-0.9473	-0.2462
164	56.35	0.04	13.9805	-3.8065	1.0623	1.4524	0.0679	-0.4288	0.5457	-0.9745	-0.2581
165	56.52	0.03	14.0139	-3.9578	0.4617	1.6361	0.0558	-0.4376	0.5584	-0.9980	-0.2567
166	56.68	0.04	13.9733	-3.9498	0.6320	1.4267	0.0684	-0.4465	0.5629	-1.0094	-0.2540
167	56.82	0.03	13.9671	-3.6478	0.5964	1.5241	0.0685	-0.4256	0.5730	-0.9986	-0.2612
168	56.97	0.04	14.0111	-3.9742	0.6753	1.5067	0.0764	-0.4309	0.5685	-0.9474	-0.2551
169	57.13	0.02	14.0706	-3.6215	0.4435	1.7015	0.0683	-0.4197	0.5645	-0.9842	-0.2584
170	57.28	0.02	14.1065	-3.6432	0.3514	1.7089	0.0624	-0.4431	0.5752	-1.0223	-0.2584
171	57.43	0.02	14.1463	-3.6606	0.4248	1.3647	0.0513	-0.4642	0.5735	-1.0377	-0.2587
172	57.56	0.00	14.0047	-3.9021	0.2535	1.6314	0.0584	-0.4047	0.5818	-0.9915	-0.2501
173	57.71	-0.04	14.0222	-3.6648	-0.1274	1.2462	0.0591	-0.4432	0.5726	-1.0158	-0.2186
174	57.86	-0.02	14.1425	-2.6500	0.0524	0.8029	0.0547	-0.5411	0.5501	-1.0912	-0.1874
175	58.00	-0.10	14.0074	-2.6324	-0.5835	-0.6282	0.0575	-0.5418	0.5332	-1.0750	-0.1879
176	58.15	-0.05	14.1076	-3.1355	-0.3131	-1.0643	0.0583	-0.4984	0.5616	-1.0595	-0.2225
177	58.30	-0.12	14.0843	-3.0906	-0.5832	-1.2044	0.0645	-0.4726	0.5722	-1.0448	-0.2194
178	58.44	-0.07	14.2034	-3.4256	-0.0511	-0.9143	0.0650	-0.4874	0.5821	-1.0445	-0.2412
179	58.47	-0.07	14.2245	-3.5025	-0.1072	-0.8428	0.0585	-0.4836	0.5777	-1.0814	-0.2463
180	58.47	-0.09	14.2235	-3.4808	-0.3811	-0.9659	0.0584	-0.4551	0.5825	-1.0376	-0.2433

PAGE 2 OF 3
SHEET 1 OF 6

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART MACE RX10-6												
115 0.90 1.07			PHI CNF		L DELT		DEL2 DEL3		DEL4 TRANSITION			
			0.0 0.10013		C.C		0 -30		0 -30 UNKNOWN			
PCINT	ALPHA	BETA	CNF1	CNF1	Cb1	ALPF1	YLPF1	CNF2	Ch2	Cb2	XCPF2	YCPF2
1	-5.75	0.01	0.0221	0.0055	0.0147	0.4462	0.6627	-0.8471	-0.0184	-0.3828	0.0218	0.4519
2	-5.75	0.02	0.0165	0.0066	0.0125	0.5336	0.7539	-0.6432	-0.0189	-0.3818	0.0224	0.4528
3	-5.74	0.02	0.0210	0.0050	0.0146	0.4574	0.6927	-0.8408	-0.0189	-0.3794	0.0225	0.4512
4	-5.65	0.01	0.0144	0.0065	0.0112	0.5506	0.7003	-0.8021	-0.0193	-0.3732	0.0234	0.4524
5	-4.73	0.02	0.0232	0.0104	0.0151	0.4485	0.7686	-0.8051	-0.0200	-0.3679	0.0245	0.4576
6	-4.38	0.02	0.0301	0.0112	0.0170	0.3723	0.5633	-0.7967	-0.0162	-0.3661	0.0228	0.4584
7	-0.58	0.01	0.0238	0.0100	0.0124	0.4204	0.5185	-0.7845	-0.0176	-0.3593	0.0225	0.4580
8	1.21	0.01	0.0240	0.0107	0.0103	0.4401	0.4305	-0.8870	-0.0212	-0.3567	0.0239	0.4463
9	3.07	0.01	0.0310	0.0112	0.0115	0.3615	0.3722	-0.8562	-0.0249	-0.3806	0.0291	0.4443
10	4.78	0.02	0.0265	0.0087	0.0110	0.3285	0.4164	-0.8203	-0.0320	-0.3637	0.0391	0.4433
11	6.60	0.01	0.0254	0.0083	0.0151	0.2825	0.3118	-0.7731	-0.0391	-0.3381	0.0505	0.4373
12	8.37	0.02	0.0345	0.0055	0.0146	0.2871	0.5070	-0.7353	-0.0426	-0.3275	0.0583	0.4467
13	10.14	0.01	0.0343	0.0055	0.0210	0.2868	0.6113	-0.6623	-0.0485	-0.3224	0.0729	0.4868
14	11.56	0.01	0.0227	0.0061	0.0167	0.3570	0.6220	-0.5768	-0.0488	-0.2866	0.0843	0.4951
15	13.74	0.01	0.0207	0.0073	0.0168	0.3526	0.8093	-0.5371	-0.0457	-0.2546	0.0850	0.4741
16	15.60	0.01	0.0312	0.0071	0.0254	0.2277	0.8135	-0.4802	-0.0431	-0.2250	0.0936	0.4885
17	17.49	0.01	0.0415	0.0055	0.0335	0.1313	0.8093	-0.5827	-0.0405	-0.1835	0.1126	0.5058
18	19.33	0.01	0.0651	0.0024	0.0543	0.0440	0.8350	-0.2425	-0.0337	-0.1291	0.1392	0.5324
19	21.21	-0.00	0.0654	-0.0001	0.0651	-0.0014	0.9381	-0.1449	-0.0214	-0.0847	0.1479	0.5847
20	23.09	-0.01	0.0447	-0.0047	0.0613	-0.0046	1.2313	-0.0558	-0.0028	-0.0453	0.0563	0.8123
21	24.54	0.01	0.0361	0.0000	0.0275	0.0354	0.7614	0.0519	0.0253	-0.0012	0.5648	-0.0232
22	26.06	0.03	0.1214	0.0142	0.0676	0.1171	0.5583	0.1439	0.0522	0.0337	0.3625	0.2344
23	26.18	0.04	0.2474	0.0332	0.1152	0.1344	0.4655	0.2056	0.0605	0.0613	0.2942	0.2979
24	26.18	0.04	0.1832	0.0227	0.0677	0.1241	0.4766	0.1901	0.0620	0.0567	0.3130	0.2864
25	26.21	0.04	0.2630	0.0367	0.1276	0.1366	0.4517	0.2292	0.0641	0.0702	0.2796	0.3062
26	26.61	0.05	0.2654	0.0370	0.1226	0.1371	0.4550	0.2457	0.0662	0.0775	0.2775	0.3155
27	28.87	0.05	0.3407	0.0483	0.1483	0.1358	0.4353	0.2717	0.0695	0.0882	0.2558	0.3244
28	29.16	0.04	0.3159	0.0415	0.1406	0.1312	0.4711	0.2677	0.0736	0.0878	0.2749	0.3278
29	29.49	0.07	0.3623	0.0453	0.1665	0.1249	0.4606	0.2757	0.0746	0.0897	0.2707	0.3253
30	29.78	0.06	0.3565	0.0440	0.1690	0.1233	0.4744	0.2890	0.0766	0.0963	0.2651	0.3332
31	30.05	0.06	0.3218	0.0414	0.1585	0.1247	0.4788	0.3003	0.0798	0.1026	0.2658	0.3418
32	30.34	0.07	0.3850	0.0455	0.1760	0.1175	0.4577	0.3134	0.0806	0.1079	0.2579	0.3444
33	30.61	0.06	0.3744	0.0444	0.1775	0.1185	0.4752	0.3223	0.0822	0.1131	0.2551	0.3508
34	30.89	0.06	0.4018	0.0466	0.1877	0.1155	0.4671	0.3325	0.0836	0.1154	0.2524	0.3591
35	31.16	0.07	0.4157	0.0475	0.1911	0.1152	0.4597	0.3429	0.0856	0.1221	0.2457	0.3561
36	31.44	0.08	0.3954	0.0452	0.1881	0.1131	0.4709	0.3441	0.0868	0.1226	0.2523	0.3563
37	31.71	0.08	0.4046	0.0467	0.1890	0.1134	0.4671	0.3487	0.0872	0.1235	0.2501	0.3599
38	31.97	0.08	0.3886	0.0442	0.1835	0.1137	0.4732	0.3642	0.0882	0.1334	0.2422	0.3664
39	32.25	0.07	0.3750	0.0458	0.1754	0.1207	0.4628	0.3953	0.0896	0.1479	0.2266	0.3740
40	32.52	0.05	0.3422	0.0463	0.1656	0.1194	0.4638	0.3888	0.0912	0.1455	0.2347	0.3743
41	32.78	0.07	0.3164	0.0386	0.1545	0.1219	0.4884	0.4055	0.0920	0.1559	0.2270	0.3846
42	33.04	0.07	0.3668	0.0440	0.1650	0.1192	0.4489	0.4401	0.0916	0.1737	0.2054	0.3894
43	33.29	0.07	0.3848	0.0473	0.1657	0.1228	0.4409	0.4818	0.0903	0.1816	0.1998	0.3933
44	33.53	0.07	0.3772	0.0465	0.1578	0.1245	0.4164	0.4333	0.0902	0.1936	0.1829	0.3924
45	33.80	0.07	0.3832	0.0458	0.1576	0.1239	0.4113	0.4882	0.0890	0.1915	0.1823	0.3922
46	34.05	0.06	0.3223	0.0450	0.1325	0.1395	0.4125	0.4976	0.0880	0.1945	0.1769	0.3908

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACF RXIC-6		PHI CONF		C		DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		115 0.93 1.7		C.C. d1nCF13		C.C.		0	-30	0	-30	UNKNOWN	
PLINT	ALPHA	BETA	CONF1	CH1	CB1	ACPF1	YCPF1	CONF2	CH2	CB2	XCPF2	YCPF2	
47	34.29	0.07	C.3458	C.0471	C.1453	C.1345	C.4153	C.5051	0.0878	0.1965	0.1739	0.3899	
48	34.54	0.06	C.3156	C.0435	C.1384	C.1380	0.4329	C.5088	0.0876	0.1952	0.1730	0.3853	
49	34.80	0.04	C.2605	C.0324	C.1164	C.1300	0.4215	C.5091	0.0872	0.1982	0.1713	0.3894	
50	35.03	0.02	C.2447	C.0328	C.1090	C.1342	0.4275	C.5290	0.0861	0.2045	0.1628	0.3867	
51	35.28	0.03	C.1472	C.0260	C.0752	C.1422	0.4016	C.5357	0.0856	0.2063	0.1558	0.3852	
52	35.51	0.01	C.1032	C.0223	C.0598	C.1380	C.5237	C.5388	0.0865	C.2025	C.1652	C.3873	
53	35.76	0.02	C.2451	C.0306	C.1026	C.1250	0.4195	C.5370	0.0856	0.2060	0.1555	0.3837	
54	36.00	0.01	C.0214	C.0065	-C.0135	C.3574	-0.6469	0.5290	0.0864	0.2045	0.1632	0.3867	
55	36.21	0.01	C.0226	C.0065	-C.0134	C.3763	-0.5904	0.5329	0.0861	0.2072	0.1616	0.3889	
56	36.47	-0.01	-C.1261	-C.0072	-C.0004	0.0619	0.7006	0.5197	0.0853	0.2040	0.1642	0.3926	
57	36.70	0.02	-C.0522	-C.0015	-C.0416	C.0327	0.7148	0.5144	0.0854	0.2026	0.1661	0.3939	
58	36.94	-0.02	-C.1261	-C.0069	-C.0081	C.0707	0.6983	0.5263	0.0844	C.2079	0.1604	0.3949	
59	37.18	0.00	-C.1636	-0.0116	-0.1105	C.0712	0.6774	0.5361	0.0831	0.2121	0.1550	0.3956	
60	37.41	-0.01	-C.1466	-C.0059	-0.0543	C.0676	0.6430	0.5415	0.0822	0.2127	0.1518	C.3927	
61	37.64	-0.02	-C.1107	-C.0074	-0.0781	0.0065	0.7057	0.5414	0.0820	0.2146	0.1515	C.3967	
62	37.88	0.00	-0.0103	-C.0019	-C.0266	C.0627	0.6840	0.5363	0.0820	0.2117	0.1529	0.3947	
63	38.11	-0.00	0.0122	C.0020	-C.0076	C.1640	-0.6249	0.5494	0.0811	0.2170	0.1476	0.3950	
64	38.35	C.002	C.1008	C.0050	C.0454	C.0894	0.6303	0.5481	0.0815	0.2162	0.1487	0.3944	
65	38.59	-0.01	C.0523	C.0042	0.0265	C.0722	0.4551	0.5402	0.0816	0.2144	C.1911	0.3965	
66	38.81	-0.01	-C.0390	-C.0046	-0.0335	C.1150	0.6419	0.5626	0.0802	0.2225	0.1426	0.3962	
67	39.04	0.02	-C.0151	C.0002	-0.0045	C.0105	-0.2364	0.5632	0.0800	0.2245	0.1416	C.3972	
68	39.28	-0.00	-C.0053	-C.0106	-C.0561	C.1245	0.6562	0.5664	0.0797	0.2267	0.1407	C.4003	
69	39.49	C.001	0.0043	-C.0006	-0.0018	-C.1501	-0.4514	0.5599	0.0806	0.2228	0.1440	0.3979	
70	39.71	0.00	-C.0301	-0.0056	-C.0158	C.1401	0.6266	0.5624	0.0804	0.2250	0.1430	C.4001	
71	39.94	-0.03	-C.0557	-0.0157	-0.0554	C.1577	0.5560	0.5623	0.0805	0.2261	0.1439	0.4021	
72	40.14	-0.01	-0.0002	-C.0005	-0.0441	C.1362	0.5498	0.5745	0.0789	0.2281	0.1374	0.3971	
73	40.35	-0.03	-C.1050	-C.0141	-0.0536	0.1345	0.5107	0.5756	0.0792	0.2310	0.1376	0.4014	
74	40.54	-0.01	-C.0544	-C.0135	-C.0453	0.1432	0.4798	0.5745	0.0791	0.2281	0.1377	0.3971	
75	40.75	-0.03	-0.1469	-C.0216	-C.0813	C.1472	0.5535	0.5595	0.0767	0.2398	0.1279	0.3955	
76	40.90	-0.03	-C.0483	-C.0137	-C.0494	C.1393	0.5016	0.5903	0.0773	0.2354	0.1310	0.3987	
77	41.17	-0.02	-C.1438	-C.0204	-C.0785	C.1420	0.5487	0.6116	0.0754	0.2435	0.1233	0.3988	
78	41.39	-0.01	-0.1310	-C.0171	-0.0672	C.1301	0.5104	0.6051	0.0757	0.2404	0.1251	0.3973	
79	41.60	-0.01	-0.1150	-C.0155	-0.0658	C.1402	0.5789	0.6343	0.0722	0.2517	0.1138	0.3965	
80	41.81	-0.04	-C.0101	-C.0110	-0.0713	0.1490	0.5091	0.6474	0.0710	0.2578	0.1106	C.3981	
81	42.02	-0.02	-0.1485	-C.0154	-C.0711	0.1326	0.4852	0.6223	0.0741	0.2473	0.1191	0.3974	
82	42.22	-0.02	-0.0731	-C.0111	-C.0500	0.1521	0.7008	0.6000	0.0711	0.2621	0.1076	0.3967	
83	42.44	-0.02	-C.1112	-0.0132	-C.0602	0.1169	0.5418	0.6366	0.0734	0.2530	0.1153	0.3974	
84	42.61	-0.02	-0.0474	-C.0065	-C.0364	0.1372	0.6085	0.6592	0.0718	0.2616	0.1089	0.3968	
85	42.79	-0.01	-C.0512	-C.0071	-0.0373	0.1387	0.7269	0.6659	0.0708	0.2641	0.1063	0.3966	
86	42.97	-0.02	-C.0065	-C.0021	-C.0346	C.3045	0.0451	0.6952	0.0677	0.2730	0.0974	0.3927	
87	43.15	-0.02	-0.0724	-C.0105	-C.0540	0.1508	0.7665	0.6961	0.0685	0.2741	0.0984	0.3938	
88	43.32	-0.01	-0.1073	-C.0144	-C.0688	C.1344	0.6410	0.6935	0.0684	0.2726	0.0986	0.3931	
89	43.51	-0.02	-C.1066	-0.0161	-C.0720	C.1513	0.6754	0.7016	0.0677	0.2734	0.0965	0.3897	
90	43.69	-0.02	-C.0757	-0.0095	-0.0614	0.1244	C.7700	0.7000	0.0688	0.2754	0.0983	0.3934	
91	43.88	-0.01	-C.0731	-C.0055	-C.0508	0.1357	0.6954	0.6948	0.0698	0.2713	0.1005	C.3905	
92	44.04	-0.02	-0.1065	-C.0140	-C.0732	C.1410	0.6873	0.7095	0.0670	0.2770	0.0944	0.3904	

PAGE 2 OF 3
 SHEET 3 OF 8

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIO-6 PHI CCNF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
7 115 0.90 1.7 0.0 0.10 0.15 0 0 -30 0 -30 UNKNOWN												
PLINT	ALPHA	BETA	CNF1	CH1	CEL1	ACPF1	YCPF1	CNF2	CH2	CEL2	ACPF2	YCPF2
93	44.23	0.01	-0.0743	-0.0051	-0.0052	0.1227	0.8775	0.7267	0.0659	0.2811	0.0907	0.3868
94	44.46	0.00	-0.0050	0.0018	-0.0131	0.1070	-1.3585	0.7147	0.0548	0.2751	0.0766	0.3846
95	44.62	0.01	-0.0320	-0.0043	-0.0542	0.1320	1.6017	0.7297	0.0517	0.2784	0.0708	0.3876
96	44.81	0.01	-0.1062	-0.0140	-0.0157	0.1356	0.7129	0.7202	0.0541	0.2758	0.0751	0.3830
97	44.99	0.00	-0.1610	-0.0216	-0.0540	0.1362	0.5636	0.7002	0.0549	0.2705	0.0784	0.3863
98	45.17	0.00	0.0029	0.0013	-0.0330	0.0655	-14.5501	0.7307	0.0520	0.2650	0.0712	0.3856
99	45.35	0.02	-0.0474	-0.0044	-0.0357	0.0925	0.8360	0.7227	0.0544	0.2787	0.0752	0.3857
100	45.53	0.03	-0.1364	-0.0100	-0.0225	0.1321	0.6090	0.7121	0.0551	0.2736	0.0773	0.3842
101	45.73	0.02	-0.0052	-0.0043	-0.0372	0.0874	-7.1381	0.7468	0.0516	0.2861	0.0651	0.3831
102	45.89	0.02	-0.0051	-0.0069	-0.0542	0.1001	0.7851	0.7211	0.0504	0.2794	0.0742	0.3875
103	46.07	0.02	-0.0155	-0.0050	-0.0201	0.3226	-1.2944	0.7593	0.0669	0.2961	0.0681	0.3928
104	46.24	0.01	-0.0335	-0.0035	-0.0401	0.1151	1.1806	0.7673	0.0664	0.3000	0.0663	0.3910
105	46.42	0.03	-0.0806	-0.0051	-0.0631	0.1131	0.7826	0.7627	0.0625	0.2942	0.0819	0.3857
106	46.59	0.01	-0.0040	0.0020	-0.0351	-0.0420	7.3150	0.7685	0.0664	0.2956	0.0864	0.3855
107	46.78	0.01	-0.0156	-0.0023	-0.0400	-0.1174	2.0761	0.7706	0.0662	0.3025	0.0853	0.3902
108	46.94	0.00	-0.0720	-0.0070	-0.0575	0.1050	0.6051	0.7685	0.0665	0.2969	0.0870	0.3890
109	47.13	0.00	-0.2637	-0.0352	-0.1255	0.1333	0.4759	0.7275	0.0596	0.2787	0.0815	0.3832
110	47.29	0.01	-0.1317	-0.0156	-0.0613	0.1186	0.6175	0.7554	0.0500	0.2901	0.0741	0.3840
111	47.46	0.01	-0.1364	-0.0100	-0.0617	0.1233	0.5991	0.7675	0.0645	0.2973	0.0840	0.3874
112	47.64	0.01	-0.0950	-0.0123	-0.0634	0.1200	0.6024	0.7635	0.0535	0.2933	0.0700	0.3842
113	47.82	0.01	-0.1447	-0.0152	-0.0600	0.1329	0.5571	0.7627	0.0605	0.2944	0.0793	0.3860
114	48.01	0.02	-0.1170	-0.0155	-0.0703	0.1310	0.5960	0.7723	0.0664	0.3007	0.0860	0.3894
115	48.18	0.04	-0.1576	-0.0211	-0.0636	0.1340	0.5319	0.7618	0.0550	0.2935	0.0722	0.3858
116	48.36	0.00	-0.1970	-0.0281	-0.1000	0.1424	0.5102	0.7593	0.0543	0.2923	0.0715	0.3850
117	48.54	0.00	-0.1032	-0.0121	-0.0635	0.1271	0.6150	0.7673	0.0527	0.2958	0.0687	0.3855
118	48.68	0.01	-0.1007	-0.0220	-0.0670	0.1354	0.5204	0.7610	0.0548	0.2949	0.0719	0.3871
119	48.88	0.01	-0.1013	-0.0245	-0.0560	0.1404	0.5296	0.7843	0.0523	0.3037	0.0667	0.3873
120	49.05	0.01	-0.1570	-0.0343	-0.1015	0.1744	0.5154	0.7963	0.0494	0.3072	0.0620	0.3857
121	49.21	0.00	-0.1743	-0.0320	-0.0533	0.1885	0.5353	0.7912	0.0485	0.3043	0.0613	0.3847
122	49.39	0.01	-0.1761	-0.0221	-0.1000	0.1207	0.5715	0.7967	0.0467	0.3054	0.0586	0.3833
123	49.56	0.03	-0.1257	-0.0250	-0.0608	0.2130	0.4923	0.7838	0.0502	0.3019	0.0638	0.3842
124	49.75	0.02	-0.1404	-0.0217	-0.0700	0.1404	0.5297	0.7938	0.0471	0.3059	0.0593	0.3853
125	49.97	0.00	-0.0557	-0.0247	-0.0370	0.2481	0.3787	0.7829	0.0506	0.3025	0.0646	0.3864
126	50.14	0.04	-0.1224	-0.0300	-0.0625	0.2610	0.5135	0.7988	0.0480	0.3075	0.0611	0.3849
127	50.31	0.02	-0.0666	-0.0225	-0.0486	0.3345	0.7118	0.7928	0.0436	0.3045	0.0549	0.3841
128	50.46	0.05	-0.0550	-0.0205	-0.0525	0.3602	0.9492	0.8220	0.0400	0.3145	0.0486	0.3826
129	50.65	0.05	-0.0156	-0.0173	-0.0347	1.1096	2.2250	0.8144	0.0378	0.3099	0.0404	0.3805
130	50.81	0.07	-0.0247	-0.0178	-0.0370	0.7210	1.5271	0.8300	0.0384	0.3170	0.0462	0.3815
131	51.00	0.07	-0.0177	-0.0101	-0.0270	-0.5709	-1.3246	0.8275	0.0379	0.3158	0.0457	0.3816
132	51.18	0.05	-0.0064	-0.0122	-0.0307	-2.0011	-4.7905	0.8360	0.0362	0.3182	0.0432	0.3803
133	51.33	0.06	-0.0034	-0.0140	-0.0356	-4.3553	-10.4746	0.8407	0.0356	0.3155	0.0423	0.3801
134	51.54	0.03	-0.0141	-0.0132	-0.0443	0.5307	3.1377	0.8404	0.0369	0.3228	0.0434	0.3805
135	51.69	0.07	-0.0058	-0.0130	-0.0542	0.3344	1.3928	0.8431	0.0370	0.3196	0.0438	0.3791
136	51.85	0.04	-0.0447	-0.0150	-0.0540	0.3537	1.2254	0.8509	0.0364	0.3236	0.0427	0.3803
137	52.06	0.05	-0.0068	-0.0040	-0.0472	0.7063	6.9339	0.8577	0.0375	0.3168	0.0447	0.3782
138	52.22	0.06	-0.0262	-0.0070	-0.0525	0.2502	2.0026	0.8260	0.0363	0.3118	0.0439	0.3775

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH NOISE-6			PHI	CNFI	L	DEL1	DEL2	CEL3	CEL4	TRANSITION			
7	115	C-50	1.7	C.C	0100F13	C.C	0	-30	0	-30	UNKNOWN		
PLINT	ALPHA	BETA	CNFI	Cn1	Cl1	XCPF1	YCPF1	CNF2	CN2	CE2	XCPF2	YCPF2	
139	52.38	0.06	-0.0173	-0.0038	-0.0455	0.2002	2.8568	0.8194	0.0360	0.3094	0.0446	0.3775	
140	52.56	0.12	-0.0127	-0.0003	-0.0212	-0.4503	-1.6667	0.8243	0.0384	0.3108	0.0465	0.3770	
141	52.73	0.08	-0.0005	-0.0041	-0.0091	8.2044	58.1856	0.8190	0.0378	0.3097	0.0461	0.3781	
142	52.91	0.11	-0.0068	-0.0030	-0.0343	0.5257	5.0455	0.8114	0.0368	0.3046	0.0453	0.3754	
143	53.06	0.10	-0.0198	-0.0050	-0.0353	0.2527	1.7835	0.8087	0.0367	0.3030	0.0453	0.3747	
144	53.23	0.09	-0.0125	-0.0044	-0.0090	0.3202	2.3075	0.8216	0.0362	0.3104	0.0440	0.3777	
145	53.40	0.11	-0.0076	-0.0002	-0.0300	0.0257	3.0456	0.8230	0.0358	0.3027	0.0434	0.3750	
146	53.56	0.10	-0.0146	-0.0028	-0.0313	0.1919	2.1430	0.8230	0.0357	0.3090	0.0433	0.3754	
147	53.73	0.08	-0.0313	-0.0043	-0.0309	0.1375	1.2404	0.8100	0.0355	0.3027	0.0438	0.3737	
148	53.88	0.09	-0.0154	-0.0018	-0.0319	0.0722	1.0444	0.8257	0.0354	0.3086	0.0428	0.3740	
149	54.04	0.06	-0.0369	-0.0043	-0.0302	0.1106	0.9310	0.8176	0.0364	0.3063	0.0445	0.3746	
150	54.19	0.06	-0.0045	-0.0000	-0.0213	0.1334	4.7202	0.8270	0.0355	0.3052	0.0429	0.3739	
151	54.36	0.07	-0.0021	-0.0020	-0.0185	0.5529	-8.9810	0.8176	0.0355	0.3055	0.0434	0.3736	
152	54.53	0.07	-0.0070	-0.0002	-0.0014	-0.0280	3.0520	0.8359	0.0354	0.3124	0.0423	0.3737	
153	54.68	0.07	-0.0134	-0.0016	-0.0205	-0.1195	1.9764	0.8307	0.0354	0.3100	0.0426	0.3732	
154	54.83	0.06	-0.0038	-0.0037	-0.0090	0.9742	-2.3760	0.8148	0.0360	0.3034	0.0441	0.3724	
155	54.97	0.07	-0.0019	-0.0043	-0.0123	2.3097	-8.4410	0.8331	0.0360	0.3108	0.0432	0.3731	
156	55.14	0.08	-0.0010	-0.0009	-0.0007	0.4240	0.0334	0.8278	0.0362	0.3055	0.0437	0.3739	
157	55.31	0.05	-0.0154	-0.0075	-0.0014	0.5133	-0.9912	0.8265	0.0361	0.3076	0.0436	0.3721	
158	55.44	0.09	-0.0156	-0.0075	-0.0015	0.4033	0.0972	0.8318	0.0360	0.3005	0.0432	0.3713	
159	55.59	0.06	-0.0050	-0.0077	-0.0035	1.5408	-0.7825	0.8381	0.0358	0.3131	0.0427	0.3736	
160	55.73	0.07	-0.0000	-0.0009	-0.0010	0.3541	0.3843	0.8290	0.0357	0.3077	0.0430	0.3711	
161	55.90	0.03	-0.0183	-0.0111	-0.0078	0.8009	0.4276	0.8211	0.0361	0.3044	0.0439	0.3708	
162	56.06	0.01	-0.0105	-0.0100	-0.0113	1.0101	1.0796	0.8133	0.0364	0.3025	0.0447	0.3726	
163	56.19	0.06	-0.0173	-0.0110	-0.0097	-0.0709	-0.2725	0.8001	0.0383	0.2970	0.0478	0.3712	
164	56.35	0.04	-0.0103	-0.0117	-0.0054	-1.1305	-0.5746	0.8042	0.0380	0.2956	0.0469	0.3703	
165	56.52	0.03	-0.0358	-0.0094	-0.0012	-0.2627	-0.0336	0.8000	0.0377	0.2973	0.0471	0.3716	
166	56.66	0.04	-0.0013	-0.0112	-0.0074	-0.5201	-0.3344	0.7968	0.0375	0.2966	0.0469	0.3713	
167	56.82	0.03	-0.0136	-0.0171	-0.0125	-0.8048	-0.9014	0.8064	0.0376	0.3011	0.0466	0.3734	
168	56.97	0.04	-0.0051	-0.0002	-0.0005	-0.4000	-0.3097	0.8025	0.0381	0.2952	0.0474	0.3729	
169	57.13	0.02	-0.0306	-0.0053	-0.0003	-0.3041	-0.2005	0.8078	0.0365	0.3011	0.0451	0.3728	
170	57.28	0.02	-0.0446	-0.0050	-0.0001	-0.2154	-0.2272	0.8102	0.0372	0.3024	0.0455	0.3733	
171	57.43	0.02	-0.0425	-0.0050	-0.0071	-0.2055	-0.1660	0.8141	0.0367	0.3046	0.0450	0.3742	
172	57.50	0.00	-0.0462	-0.0041	-0.0102	-0.1809	-0.2123	0.8037	0.0373	0.2996	0.0464	0.3728	
173	57.71	-0.04	-0.0404	-0.0078	-0.0078	-0.1612	-0.2363	0.8063	0.0361	0.3000	0.0447	0.3721	
174	57.88	-0.02	-0.0014	-0.0041	-0.0027	-0.1353	-0.0402	0.8041	0.0367	0.3127	0.0436	0.3722	
175	58.03	-0.10	-0.0340	-0.0080	-0.0115	-0.2531	-0.3393	0.8532	0.0343	0.3204	0.0403	0.3756	
176	58.15	-0.09	-0.0330	-0.0049	-0.0051	-0.0525	-0.0905	0.8403	0.0343	0.3137	0.0409	0.3733	
177	58.30	-0.12	-0.0332	-0.0042	-0.0158	-0.1206	-0.4744	0.8223	0.0341	0.3075	0.0415	0.3740	
178	58.44	-0.07	-0.0425	-0.0037	-0.0130	-0.0851	-0.2975	0.8091	0.0343	0.3124	0.0411	0.3741	
179	58.57	-0.07	-0.0602	-0.0057	-0.0040	-0.0545	-0.0668	0.8434	0.0334	0.3141	0.0398	0.3737	
180	58.67	-0.09	-0.0050	-0.0056	-0.0033	-0.0047	-0.0475	0.8390	0.0338	0.3123	0.0403	0.3722	

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF RXTD-6			PHI	CNCF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 115 0.64 1.7			C.O	0.10	0.13	C.C	0	-30	0	-30 UNKNOWN		
FLINT	ALPHA	BETA	CNCF	CN3	CB3	XCPCF3	YCPCF3	CNCF4	CF4	CB4	XCPCF4	YCPCF4
1	-5.75	0.01	0.0241	5.5555	0.0132	5.5555	0.5035	-0.0672	-0.0186	-0.3693	0.0215	0.4259
2	-5.75	0.02	0.0154	5.5555	0.0084	5.5555	0.5472	-0.0833	-0.0183	-0.3683	0.0212	0.4266
3	-5.74	0.02	0.0141	5.5555	0.0087	5.5555	0.6190	-0.0846	-0.0186	-0.3679	0.0215	0.4255
4	-5.85	0.01	0.0093	5.5555	0.0072	5.5555	0.7767	-0.0862	-0.0190	-0.3635	0.0222	0.4245
5	-4.13	0.02	0.0128	5.5555	0.0095	5.5555	0.7754	-0.0828	-0.0199	-0.3507	0.0242	0.4262
6	-2.38	0.02	0.0084	5.5555	0.0086	5.5555	0.5179	-0.0837	-0.0211	-0.3324	0.0270	0.4241
7	-0.58	0.01	0.0130	5.5555	0.0080	5.5555	0.6174	-0.0810	-0.0191	-0.3444	0.0236	0.4241
8	1.21	0.01	-0.0025	5.5555	0.0059	5.5555	-2.0410	-0.0908	-0.0222	-0.3786	0.0245	0.4175
9	3.47	0.01	-0.0174	5.5555	0.0032	5.5555	-0.1845	-0.0905	-0.0252	-0.3749	0.0275	0.4145
10	4.78	0.02	-0.0127	5.5555	0.0054	5.5555	-0.4280	-0.0825	-0.0321	-0.3530	0.0377	0.4141
11	6.60	0.01	-0.0152	5.5555	0.0065	5.5555	-0.4290	-0.0808	-0.0405	-0.3333	0.0501	0.4124
12	8.37	0.02	-0.0175	5.5555	0.0042	5.5555	-0.2406	-0.0751	-0.0480	-0.3167	0.0585	0.4034
13	10.14	0.01	-0.0188	5.5555	0.0054	5.5555	-0.2882	-0.0732	-0.0493	-0.3131	0.0667	0.4236
14	11.96	0.01	-0.0185	5.5555	0.0063	5.5555	-0.3344	-0.0518	-0.0520	-0.2851	0.0757	0.4374
15	13.74	0.01	-0.0150	5.5555	0.0044	5.5555	-0.2675	-0.0529	-0.0515	-0.2509	0.0890	0.4305
16	15.60	0.01	-0.0103	5.5555	0.0044	5.5555	-0.4710	-0.0480	-0.0519	-0.2125	0.1063	0.4354
17	17.49	0.01	-0.0014	5.5555	0.0031	5.5555	-2.2214	-0.0356	-0.0447	-0.1802	0.1357	0.4504
18	19.33	0.01	-0.0024	5.5555	-0.0038	5.5555	0.1364	-0.0288	-0.0366	-0.0951	0.1671	0.4530
19	21.21	-0.00	-0.0025	5.5555	-0.0051	5.5555	0.1402	-0.0108	-0.0200	-0.0528	0.1875	0.4595
20	23.09	-0.01	-0.0040	5.5555	-0.0056	5.5555	0.1652	-0.0013	0.0025	-0.0056	-2.2320	4.3215
21	24.94	0.01	-0.0121	5.5555	-0.0032	5.5555	0.2653	0.0442	0.0285	0.0149	0.6451	0.3359
22	26.86	0.03	0.0025	5.5555	-0.0002	5.5555	-0.0603	0.1147	0.0448	0.0447	0.4339	0.3895
23	28.78	0.04	0.0024	5.5555	0.0005	5.5555	0.3375	0.1200	0.0576	0.0450	0.4815	0.4083
24	28.10	0.04	0.0146	5.5555	0.0030	5.5555	0.2061	0.1380	0.0544	0.0571	0.4230	0.4139
25	26.21	0.04	0.0285	5.5555	0.0058	5.5555	0.3402	0.1172	0.0588	0.0457	0.5015	0.4241
26	26.61	0.05	0.0372	5.5555	0.0136	5.5555	0.3645	0.1321	0.0632	0.0561	0.4763	0.4248
27	28.87	0.05	0.0300	5.5555	0.0111	5.5555	0.3712	0.1147	0.0615	0.0505	0.5356	0.4403
28	29.16	0.04	0.0253	5.5555	0.0087	5.5555	0.3450	0.1565	0.0685	0.0681	0.4376	0.4349
29	29.45	0.07	0.0345	5.5555	0.0125	5.5555	0.3564	0.1684	0.0704	0.0742	0.4182	0.4408
30	29.78	0.06	0.0266	5.5555	0.0076	5.5555	0.2442	0.1967	0.0753	0.0876	0.3750	0.4417
31	30.05	0.06	0.0254	5.5555	0.0074	5.5555	0.2923	0.2066	0.0763	0.0903	0.3654	0.4376
32	30.34	0.07	0.0326	5.5555	0.0107	5.5555	0.3293	0.2124	0.0753	0.0938	0.3734	0.4416
33	30.61	0.06	0.0314	5.5555	0.0100	5.5555	0.3195	0.2335	0.0821	0.1025	0.3517	0.4396
34	30.89	0.08	0.0422	5.5555	0.0145	5.5555	0.3423	0.2602	0.0871	0.1165	0.3272	0.4375
35	31.16	0.07	0.0483	5.5555	0.0164	5.5555	0.3386	0.2774	0.0871	0.1216	0.3141	0.4391
36	31.44	0.08	0.0550	5.5555	0.0111	5.5555	0.3162	0.3045	0.0884	0.1320	0.2904	0.4337
37	31.71	0.08	0.0445	5.5555	0.0165	5.5555	0.3697	0.3185	0.0932	0.1385	0.2833	0.4348
38	31.97	0.08	0.0574	5.5555	0.0126	5.5555	0.3353	0.3391	0.0906	0.1480	0.2673	0.4365
39	32.25	0.07	0.0349	5.5555	0.0131	5.5555	0.3737	0.3475	0.0919	0.1523	0.2692	0.4460
40	32.52	0.05	0.0337	5.5555	0.0113	5.5555	0.3504	0.3600	0.0925	0.1652	0.2435	0.4452
41	32.76	0.03	0.0290	5.5555	0.0052	5.5555	0.3163	0.3682	0.0930	0.1747	0.2397	0.4501
42	33.04	0.07	0.0373	5.5555	0.0132	5.5555	0.3523	0.3713	0.0940	0.1702	0.2532	0.4583
43	33.29	0.07	0.0452	5.5555	0.0153	5.5555	0.3915	0.3395	0.0939	0.1568	0.2767	0.4620
44	33.53	0.07	0.0461	5.5555	0.0183	5.5555	0.3796	0.3448	0.0946	0.1606	0.2745	0.4656
45	33.80	0.07	0.0481	5.5555	0.0183	5.5555	0.3756	0.3550	0.0949	0.1647	0.2689	0.4665
46	34.05	0.06	0.0563	5.5555	0.0205	5.5555	0.4148	0.3789	0.0961	0.1769	0.2537	0.4665

PAGE 3 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RAIC-6	PHI	CONF	L	DECL	DECL	CEL3	CEL4	TRANSITION		
1	115	0.50	1.7	C.C. 010CF13	G.C.	0	-30	0	-30	UNKNOWN		
PCINT	ALPHA	BETA	CNF3	CNF4	CB3	XCPF3	YCPF3	CNF4	CNF4	CB4	XCPF4	YCPF4
47	34.29	0.07	0.0357	0.0355	0.0356	0.0359	0.0377	0.0371	0.0363	0.1727	0.2598	0.4853
48	34.54	0.06	0.0404	0.0404	0.0403	0.0404	0.0474	0.0415	0.0402	0.1926	0.2316	0.4834
49	34.80	0.04	0.0420	0.0420	0.0417	0.0420	0.0418	0.0417	0.0401	0.1932	0.2313	0.4848
50	35.03	0.02	0.0453	0.0455	0.0471	0.0459	0.0491	0.0450	0.0461	0.2006	0.2210	0.4812
51	35.28	0.03	0.0457	0.0455	0.0456	0.0459	0.0457	0.0457	0.0453	0.2020	0.2183	0.4826
52	35.51	0.01	0.0452	0.0455	0.0405	0.0455	0.0435	0.0433	0.0432	0.2075	0.2101	0.4575
53	35.76	0.02	0.0255	0.0255	0.0435	0.0455	0.0456	0.0453	0.0446	0.2054	0.2074	0.4588
54	36.00	0.01	0.0203	0.0255	0.0457	0.0455	0.0474	0.0406	0.0425	0.2160	0.1925	0.4548
55	36.21	0.01	0.0227	0.0255	0.0411	0.0455	0.0490	0.0432	0.0428	0.2151	0.1921	0.4534
56	36.47	-0.01	0.0115	0.0255	0.0401	0.0455	0.0442	0.0402	0.0405	0.2260	0.1772	0.4474
57	36.70	0.02	0.0107	0.0255	0.0454	0.0455	0.0453	0.04125	0.0408	0.2286	0.1726	0.4461
58	36.94	-0.02	0.0011	0.0255	0.0413	0.0455	1.1056	0.0409	0.0408	0.2330	0.1648	0.4421
59	37.18	0.00	0.0154	0.0255	0.0405	0.0455	0.0453	0.0415	0.0412	0.2354	0.1641	0.4428
60	37.41	-0.01	0.0036	0.0255	0.0411	0.0455	0.0405	0.0410	0.0405	0.2356	0.1615	0.4428
61	37.64	-0.02	0.0179	0.0255	0.0408	0.0455	0.0432	0.0417	0.0415	0.2417	0.1540	0.4413
62	37.88	0.00	0.0062	0.0255	0.0405	0.0455	0.0429	0.0412	0.0412	0.2461	0.1475	0.4403
63	38.11	-0.00	0.0047	0.0255	0.0405	0.0455	0.0411	0.0415	0.0412	0.2435	0.1492	0.4403
64	38.35	0.02	0.0054	0.0255	0.0407	0.0455	0.0404	0.0413	0.0414	0.2472	0.1450	0.4404
65	38.59	-0.01	0.0083	0.0255	0.0404	0.0455	0.0422	0.0410	0.0412	0.2508	0.1370	0.4394
66	38.81	-0.01	0.0035	0.0255	0.0404	0.0455	0.0415	0.0410	0.0412	0.2546	0.1351	0.4398
67	39.04	0.02	0.0107	0.0255	0.0403	0.0455	0.0407	0.0412	0.0412	0.2546	0.1315	0.4373
68	39.28	-0.00	0.0062	0.0255	0.0402	0.0455	0.0405	0.0410	0.0412	0.2599	0.1306	0.4400
69	39.49	0.01	-0.0058	0.0255	0.0402	0.0455	0.0428	0.0410	0.0412	0.2557	0.1310	0.4381
70	39.71	0.00	0.0010	0.0255	0.0406	0.0455	0.0415	0.0410	0.0412	0.2610	0.1257	0.4372
71	39.94	-0.03	-0.0026	0.0255	0.0402	0.0455	-0.0403	0.0410	0.0412	0.2628	0.1235	0.4381
72	40.14	-0.01	-0.0003	0.0255	0.0408	0.0455	-12.7072	0.0410	0.0412	0.2604	0.1217	0.4376
73	40.35	-0.03	-0.0103	0.0255	-0.0402	0.0455	0.1754	0.0410	0.0412	0.2615	0.1220	0.4382
74	40.54	-0.01	-0.0075	0.0255	0.0415	0.0455	-0.2006	0.0410	0.0412	0.2585	0.1162	0.4362
75	40.75	-0.03	-0.0278	0.0255	-0.0405	0.0455	0.2706	0.0410	0.0412	0.2655	0.1237	0.4424
76	40.98	-0.03	-0.0068	0.0255	0.0418	0.0455	-0.2052	0.0410	0.0412	0.2631	0.1193	0.4365
77	41.17	-0.02	-0.0028	0.0255	0.0405	0.0455	-1.7916	0.0410	0.0412	0.2675	0.1127	0.4402
78	41.39	-0.01	-0.0148	0.0255	-0.0406	0.0455	0.0542	0.0410	0.0412	0.2655	0.1142	0.4408
79	41.60	-0.01	-0.0303	0.0255	-0.0408	0.0455	-0.2049	0.0410	0.0412	0.2705	0.1161	0.4437
80	41.81	-0.04	-0.0156	0.0255	-0.0403	0.0455	0.1177	0.0410	0.0412	0.2736	0.1103	0.4440
81	42.02	-0.02	-0.0155	0.0255	-0.0403	0.0455	0.0346	0.0410	0.0412	0.2757	0.1166	0.4515
82	42.22	-0.02	-0.0064	0.0255	0.0423	0.0455	-0.3919	0.0410	0.0412	0.2764	0.1135	0.4464
83	42.42	-0.02	-0.0016	0.0255	-0.0407	0.0455	-3.3739	0.0410	0.0412	0.2801	0.1101	0.4450
84	42.61	-0.02	0.0000	0.0255	0.0404	0.0455	1.1766	0.0410	0.0412	0.2752	0.1052	0.4448
85	42.79	-0.01	-0.0040	0.0255	0.0403	0.0455	-0.2029	0.0410	0.0412	0.2810	0.1063	0.4465
86	42.97	-0.02	-0.0075	0.0255	0.0410	0.0455	1.2049	0.0410	0.0412	0.2884	0.1215	0.4557
87	43.15	-0.02	-0.0173	0.0255	0.0402	0.0455	0.0	0.0410	0.0412	0.2958	0.1144	0.4587
88	43.32	-0.01	-0.0025	0.0255	0.0403	0.0455	-0.3382	0.0410	0.0412	0.2976	0.1149	0.4572
89	43.51	-0.02	-0.0053	0.0255	0.0405	0.0455	-0.8518	0.0410	0.0412	0.2986	0.1164	0.4608
90	43.69	-0.02	-0.0053	0.0255	0.0405	0.0455	-0.8516	0.0410	0.0412	0.2987	0.1160	0.4591
91	43.88	-0.01	-0.0028	0.0255	0.0404	0.0455	-1.4331	0.0410	0.0412	0.3036	0.1100	0.4564
92	44.04	-0.02	-0.0032	0.0255	0.0405	0.0455	-0.7524	0.0410	0.0412	0.2997	0.1145	0.4604

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: RAC-E												
7 115 0.4C 1.7			PHI CCF		L		DEL1 DEL2		DEL3 DEL4		TRANSITION	
			0.0 0.0013		C.C		0 -30		0 -30		UNKNOWN	
PCINAT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	44.23	0.01	-0.0005	5.5555	0.0070	5.5555	-14.0448	0.0564	0.0739	0.3009	0.1126	0.4585
94	44.46	-0.00	-0.0024	5.5555	0.0056	5.5555	-1.9372	0.0608	0.0734	0.3042	0.1111	0.4604
95	44.62	-0.01	-0.0053	5.5555	0.0052	5.5555	-0.9343	0.06320	0.0764	0.2538	0.1209	0.4649
96	44.81	0.01	-0.0040	5.5555	0.0046	5.5555	-1.1537	0.0620	0.0740	0.3061	0.1118	0.4623
97	44.99	0.00	-0.0024	5.5555	0.0053	5.5555	-1.8334	0.0600	0.0735	0.3117	0.1087	0.4583
98	45.17	-0.00	0.0074	5.5555	0.0107	5.5555	1.3506	0.0496	0.0737	0.3005	0.1135	0.4623
99	45.35	-0.02	-0.0077	5.5555	0.0038	5.5555	-0.4551	0.0804	0.0727	0.3120	0.1065	0.4585
100	45.53	-0.03	-0.0101	5.5555	0.0023	5.5555	-0.2205	0.0859	0.0731	0.3160	0.1066	0.4607
101	45.73	-0.02	0.0007	5.5555	0.0077	5.5555	11.0352	0.0621	0.0740	0.3074	0.1118	0.4642
102	45.84	-0.02	-0.0066	5.5555	0.0051	5.5555	-0.7752	0.0890	0.0722	0.3167	0.1048	0.4596
103	46.07	-0.02	0.0103	5.5555	0.0141	5.5555	0.6616	0.0776	0.0731	0.3132	0.1079	0.4622
104	46.24	-0.01	0.0104	5.5555	0.0106	5.5555	1.0416	0.0658	0.0735	0.3167	0.1072	0.4618
105	46.42	-0.03	0.0054	5.5555	0.0105	5.5555	1.9507	0.0930	0.0734	0.3203	0.1059	0.4622
106	46.55	-0.01	0.0164	5.5555	0.0131	5.5555	0.7952	0.0669	0.0722	0.3187	0.1048	0.4626
107	46.78	-0.01	0.0052	5.5555	0.0098	5.5555	1.0666	0.0700	0.0720	0.3230	0.1029	0.4614
108	46.94	0.00	0.0015	5.5555	0.0084	5.5555	4.4352	0.0707	0.0721	0.3267	0.1020	0.4621
109	47.13	0.00	-0.0054	5.5555	-0.0035	5.5555	0.1164	0.07051	0.0776	0.3256	0.1103	0.4675
110	47.29	0.01	-0.0026	5.5555	0.0050	5.5555	-1.7914	0.0724	0.0712	0.3337	0.0987	0.4626
111	47.46	-0.01	-0.0077	5.5555	0.0044	5.5555	-0.5733	0.07137	0.0732	0.3315	0.1026	0.4644
112	47.64	-0.01	-0.0101	5.5555	0.0036	5.5555	-0.3576	0.07137	0.0733	0.3335	0.1027	0.4672
113	47.82	0.01	0.0007	5.5555	0.0071	5.5555	10.1753	0.07188	0.0729	0.3338	0.1017	0.4657
114	48.01	-0.02	0.0016	5.5555	0.0094	5.5555	5.2389	0.07323	0.0713	0.3400	0.0974	0.4643
115	48.18	0.04	-0.0006	5.5555	0.0080	5.5555	-13.3760	0.07265	0.0720	0.3377	0.0991	0.4648
116	48.36	0.00	-0.0161	5.5555	0.0014	5.5555	-0.0872	0.07228	0.0753	0.3353	0.1042	0.4694
117	48.54	0.00	0.0075	5.5555	0.0104	5.5555	1.3842	0.07367	0.0708	0.3420	0.0961	0.4643
118	48.68	0.01	0.0007	5.5555	0.0077	5.5555	11.0352	0.07367	0.0711	0.3434	0.0965	0.4662
119	48.88	0.01	0.0031	5.5555	0.0084	5.5555	2.7183	0.07354	0.0711	0.3425	0.0967	0.4658
120	49.05	0.01	-0.0123	5.5555	0.0025	5.5555	-0.2006	0.07264	0.0747	0.3446	0.1026	0.4731
121	49.21	0.00	-0.0025	5.5555	0.0041	5.5555	-0.6326	0.07232	0.0736	0.3402	0.1021	0.4704
122	49.39	0.01	0.0163	5.5555	0.0140	5.5555	0.8555	0.07262	0.07564	0.3367	0.0774	0.4624
123	49.58	0.03	0.0245	5.5555	0.0166	5.5555	0.7575	0.07110	0.0620	0.3317	0.0872	0.4664
124	49.75	0.02	0.0222	5.5555	0.0176	5.5555	0.7996	0.07291	0.0573	0.3384	0.0786	0.4641
125	49.97	0.06	0.0051	5.5555	0.0110	5.5555	1.2127	0.07165	0.0652	0.3354	0.0910	0.4681
126	50.14	0.04	0.0102	5.5555	0.0120	5.5555	1.1802	0.07130	0.0750	0.3375	0.1052	0.4735
127	50.31	0.02	0.0222	5.5555	0.0172	5.5555	0.7727	0.07082	0.0692	0.3331	0.0977	0.4703
128	50.46	0.05	0.0233	5.5555	0.0175	5.5555	0.7604	0.07267	0.0674	0.3350	0.0934	0.4665
129	50.65	0.05	0.0174	5.5555	0.0150	5.5555	0.8591	0.07221	0.0720	0.3382	0.0957	0.4684
130	50.81	0.07	0.0157	5.5555	0.0164	5.5555	0.8501	0.07255	0.0670	0.3355	0.0924	0.4680
131	51.00	0.07	0.0220	5.5555	0.0191	5.5555	0.8664	0.07125	0.0573	0.3333	0.0804	0.4677
132	51.18	0.05	0.0210	5.5555	0.0156	5.5555	0.7500	0.07161	0.0577	0.3354	0.0803	0.4678
133	51.33	0.06	0.0150	5.5555	0.0135	5.5555	0.5229	0.07152	0.0581	0.3354	0.0812	0.4690
134	51.54	0.03	0.0161	5.5555	0.0153	5.5555	0.9471	0.07156	0.0675	0.3366	0.0938	0.4680
135	51.69	0.07	0.0102	5.5555	0.0127	5.5555	1.2392	0.07103	0.0594	0.3332	0.0836	0.4690
136	51.85	0.04	0.0161	5.5555	0.0157	5.5555	0.8414	0.07129	0.0553	0.3331	0.0775	0.4672
137	52.06	0.05	0.0150	5.5555	0.0142	5.5555	0.9430	0.07093	0.0579	0.3316	0.0816	0.4674
138	52.22	0.08	0.0158	5.5555	0.0151	5.5555	0.7600	0.07013	0.0540	0.3273	0.0770	0.4667

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CNF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 115 0.50 1.7				C.C	010CF13	C.0	0	-30	0	-30	UNKNOWN	
FCINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
139	52.38	0.08	0.0220	5.5555	0.0184	5.5559	0.8345	0.7088	0.0522	0.3296	0.0736	0.4651
140	52.56	0.12	0.0257	5.5555	0.0183	5.5555	0.7104	0.7118	0.0650	0.3281	0.0913	0.4610
141	52.73	0.08	0.0220	5.5555	0.0177	5.5555	0.8026	0.7162	0.0526	0.3324	0.0732	0.4628
142	52.51	0.11	0.0260	5.5555	0.0193	5.5555	0.8879	0.7238	0.0522	0.3347	0.0721	0.4624
143	53.08	0.10	0.0252	5.5555	0.0206	5.5555	0.7043	0.7313	0.0502	0.3382	0.0886	0.4625
144	53.23	0.05	0.0242	5.5555	0.0200	5.5555	0.8837	0.7266	0.0481	0.3356	0.0662	0.4621
145	53.40	0.11	0.0260	5.5555	0.0196	5.5555	0.6967	0.7304	0.0492	0.3366	0.0673	0.4608
146	53.56	0.10	0.0244	5.5555	0.0178	5.5555	0.7277	0.7269	0.0476	0.3356	0.0654	0.4617
147	53.73	0.08	0.0335	5.5555	0.0222	5.5555	0.6540	0.7350	0.0472	0.3387	0.0642	0.4608
148	53.88	0.09	0.0267	5.5555	0.0195	5.5555	0.7289	0.7396	0.0462	0.3401	0.0624	0.4595
149	54.04	0.05	0.0326	5.5555	0.0230	5.5555	0.7047	0.7363	0.0455	0.3393	0.0621	0.4596
150	54.19	0.06	0.0267	5.5555	0.0196	5.5555	0.7462	0.7455	0.0450	0.3423	0.0603	0.4592
151	54.36	0.07	0.0267	5.5555	0.0205	5.5555	0.7665	0.7496	0.0445	0.3447	0.0593	0.4595
152	54.50	0.07	0.0194	5.5555	0.0160	5.5555	0.8136	0.7454	0.0446	0.3415	0.0598	0.4582
153	54.68	0.07	0.0256	5.5555	0.0166	5.5555	0.7328	0.7538	0.0444	0.3455	0.0589	0.4585
154	54.83	0.06	0.0231	5.5555	0.0206	5.5555	0.7067	0.7430	0.0435	0.3412	0.0585	0.4592
155	54.97	0.07	0.0194	5.5555	0.0165	5.5555	0.8599	0.7417	0.0434	0.3408	0.0585	0.4595
156	55.14	0.08	0.0215	5.5555	0.0183	5.5555	0.8337	0.7582	0.0429	0.3463	0.0565	0.4568
157	55.31	0.05	0.0160	5.5555	0.0146	5.5555	0.9217	0.7584	0.0426	0.3478	0.0564	0.4586
158	55.44	0.05	0.0173	5.5555	0.0138	5.5555	0.7828	0.7554	0.0434	0.3470	0.0574	0.4594
159	55.59	0.06	0.0173	5.5555	0.0145	5.5555	0.8562	0.7652	0.0422	0.3508	0.0551	0.4585
160	55.73	0.07	0.0145	5.5555	0.0134	5.5555	1.0674	0.7615	0.0414	0.3508	0.0543	0.4607
161	55.90	0.03	0.0173	5.5555	0.0130	5.5555	1.1452	0.7567	0.0416	0.3486	0.0548	0.4595
162	56.06	0.01	0.0155	5.5555	0.0161	5.5555	1.0045	0.7644	0.0409	0.3515	0.0535	0.4595
163	56.19	0.06	0.0124	5.5555	0.0140	5.5555	1.1245	0.7646	0.0403	0.3518	0.0527	0.4602
164	56.35	0.05	0.0173	5.5555	0.0146	5.5555	0.8406	0.7604	0.0402	0.3511	0.0528	0.4618
165	56.52	0.03	0.0136	5.5555	0.0144	5.5555	1.0548	0.7592	0.0399	0.3506	0.0525	0.4615
166	56.66	0.04	0.0054	5.5555	0.0101	5.5555	1.8763	0.7604	0.0400	0.3511	0.0525	0.4618
167	56.82	0.03	0.0171	5.5555	0.0123	5.5555	1.2116	0.7673	0.0401	0.3525	0.0522	0.4608
168	56.97	0.04	0.0113	5.5555	0.0147	5.5555	1.1186	0.7620	0.0396	0.3516	0.0519	0.4615
169	57.13	0.02	0.0025	5.5555	0.0121	5.5555	1.3639	0.7538	0.0396	0.3468	0.0525	0.4601
170	57.28	0.02	0.0069	5.5555	0.0126	5.5555	1.4090	0.7603	0.0396	0.3503	0.0523	0.4608
171	57.43	0.02	0.0243	5.5555	0.0184	5.5555	0.7555	0.7522	0.0398	0.3482	0.0525	0.4630
172	57.56	0.00	0.0070	5.5555	0.0105	5.5555	1.3505	0.7512	0.0389	0.3481	0.0517	0.4634
173	57.71	-0.04	0.0077	5.5555	0.0116	5.5555	1.5374	0.7635	0.0380	0.3502	0.0497	0.4587
174	57.86	-0.02	0.0054	5.5555	0.0104	5.5555	1.9321	0.8006	0.0376	0.3656	0.0469	0.4565
175	58.00	-0.10	0.0018	5.5555	0.0052	5.5555	5.1275	0.8075	0.0371	0.3665	0.0459	0.4535
176	58.15	-0.05	0.0024	5.5555	0.0065	5.5555	2.2465	0.7731	0.0380	0.3537	0.0491	0.4576
177	58.30	-0.12	0.0017	5.5555	0.0055	5.5555	5.8422	0.7729	0.0380	0.3497	0.0491	0.4529
178	58.44	-0.07	0.0006	5.5555	0.0084	5.5555	14.6006	0.7576	0.0384	0.3440	0.0506	0.4540
179	58.47	-0.07	0.0053	5.5555	0.0063	5.5555	-1.1925	0.7640	0.0389	0.3396	0.0522	0.4565
180	58.47	-0.09	0.0065	5.5555	0.0050	5.5555	-0.7717	0.7506	0.0390	0.3434	0.0519	0.4575

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PACF RXIC-6			PHT	CCNF	L	CEL1	CEL2	CEL3	CEL4	TRANSITION	
7 110 1.00 1.7			0.0	0.0	0.0	0	-30	0	-30	UNKNOWN	
FLINT	ALPHA	BETA	CN	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP
1	-5.91	0.01	-1.8932	7.2031	0.0071	-0.2934	0.0335	1.4491	0.4596	0.9895	-3.8048
2	-5.90	0.01	-1.8830	7.1640	0.1597	-0.3300	0.0276	1.4427	0.4588	0.9839	-3.8082
3	-5.90	0.00	-1.8931	7.2538	0.1100	-0.3157	0.0337	1.4600	0.4587	1.0012	-3.8317
4	-5.90	0.00	-1.8834	7.1022	0.1200	-0.4334	0.0396	1.4327	0.4553	0.9774	-3.8105
5	-5.91	0.00	-1.8810	7.1582	0.1355	-0.2900	0.0357	1.4572	0.4588	0.9983	-3.8452
6	-5.90	0.01	-1.8410	7.0054	0.1004	-0.2854	0.0276	1.4410	0.4542	0.9876	-3.8487
7	-5.90	-0.00	-1.8713	7.1785	0.1005	-0.3742	0.0455	1.4500	0.4550	0.9958	-3.8364
8	-5.71	0.01	-1.8374	7.2645	0.1550	-0.5041	0.0577	1.4702	0.4575	1.0120	-3.9538
9	-3.85	0.01	-1.9031	8.1052	0.2033	-0.5555	0.1706	1.5192	0.4324	1.0668	-4.2610
10	-2.22	0.01	-2.0774	9.2916	0.1044	-0.1930	0.0179	1.5591	0.3594	1.1997	-4.4729
11	-0.45	0.00	-1.9541	9.3524	0.0575	-0.1603	0.0185	1.5601	0.3458	1.2143	-4.7811
12	1.31	0.01	-1.7731	9.0235	0.1035	-0.2244	0.0246	1.5144	0.3374	1.1770	-5.0893
13	3.17	0.01	-1.5023	8.6027	0.0004	-0.1922	0.0134	1.4559	0.3216	1.1361	-5.4747
14	4.80	0.01	-1.3012	8.1920	0.0355	-0.0900	0.0136	1.4011	0.3142	1.0820	-6.0187
15	6.70	0.01	-1.1637	7.9181	0.0242	-0.0590	0.0259	1.3544	0.3101	1.0443	-6.6042
16	8.48	0.01	-0.9001	7.3743	0.0200	-0.0829	0.0204	1.2003	0.2979	0.9704	-8.1930
17	10.27	0.01	-0.5504	6.5765	0.0100	-0.0412	0.0384	1.1635	0.2982	0.8854	-11.5416
18	12.11	0.01	-0.2182	5.9062	0.0300	0.0535	0.0270	1.1241	0.2937	0.8284	-27.3505
19	13.93	0.01	0.1337	5.2730	-0.0200	0.0630	0.0277	1.0242	0.2805	0.7377	39.4540
20	15.84	0.00	0.5321	4.5270	-0.0500	0.1204	0.0342	0.9156	0.2797	0.6358	8.5097
21	17.76	0.01	0.9207	3.8014	-0.0822	0.1901	0.0287	0.7904	0.2699	0.5205	4.1941
22	19.63	0.01	1.3007	3.1023	-0.1472	0.4032	0.0465	0.6740	0.2608	0.4137	2.3387
23	21.50	0.02	1.7027	2.4005	-0.0441	0.2239	0.0130	0.5563	0.2466	0.3097	1.5182
24	23.52	0.01	2.0073	2.0055	-0.1297	0.4833	-0.0092	0.4430	0.2346	0.2092	0.5843
25	25.46	0.03	2.3053	2.2016	0.2700	-0.5460	0.0191	0.3275	0.2282	0.0993	0.7173
26	27.50	0.08	3.7807	1.9008	0.0400	-2.1550	0.1236	0.2246	0.2445	-0.0149	0.5228
27	29.07	0.07	3.7205	2.2105	0.0572	-2.0070	0.1298	-0.0795	0.2422	-0.3218	0.5953
28	28.45	0.07	3.5557	1.9293	0.0595	-0.0253	0.1301	0.1010	0.2413	-0.0595	0.4828
29	28.81	0.08	4.1320	1.5350	0.0547	-2.1032	0.1605	0.1612	0.2438	-0.0826	0.4685
30	29.15	0.08	4.2030	1.5002	0.0546	-1.9523	0.1488	0.1425	0.2349	-0.0905	0.4583
31	29.42	0.08	4.3021	1.5002	0.0500	-2.0330	0.1670	0.1203	0.2370	-0.1168	0.4431
32	29.73	0.06	4.4100	1.0040	1.0500	-2.4101	0.1750	0.1143	0.2437	-0.1315	0.4219
33	30.02	0.07	4.5161	1.5072	0.0570	-1.7610	0.1499	0.0756	0.2357	-0.1601	0.4223
34	30.31	0.08	4.6065	1.7503	0.0334	-1.5070	0.1605	0.0470	0.2345	-0.1875	0.3731
35	30.58	0.07	4.7413	1.7583	0.0623	-1.7051	0.1743	0.0329	0.2334	-0.2005	0.3793
36	30.84	0.07	4.8254	1.5035	0.0820	-1.7042	0.1514	0.0414	0.2320	-0.1912	0.4070
37	31.13	0.07	4.9446	1.0500	0.0962	-1.7782	0.1753	0.0219	0.2361	-0.2122	0.3795
38	31.39	0.08	5.0343	1.0051	0.0703	-1.8005	0.1758	0.0042	0.2314	-0.2222	0.3593
39	31.68	0.08	5.1398	1.0349	1.0211	-2.1652	0.2004	0.0226	0.2363	-0.2137	0.3609
40	31.95	0.07	5.2441	1.7025	0.0500	-2.1306	0.1711	0.0025	0.2303	-0.2278	0.3361
41	32.23	0.07	5.3013	1.6419	1.0000	-2.4293	0.1545	-0.0164	0.2268	-0.2432	0.3410
42	32.50	0.06	5.4530	1.8075	0.0503	-1.8575	0.0947	-0.0400	0.2207	-0.2673	0.3314
43	32.75	0.07	5.5528	1.6556	0.0240	-2.1022	0.1109	-0.0460	0.2188	-0.2648	0.3000
44	33.02	0.03	5.0005	1.7557	0.0403	-0.8004	-0.0006	-0.0073	0.2001	-0.2955	0.3120
45	33.28	0.03	5.7035	1.8270	0.0099	-0.4307	-0.0304	-0.0905	0.2043	-0.2949	0.3205
46	33.53	0.03	5.8175	1.8246	0.0505	-0.7433	-0.0177	-0.0954	0.2010	-0.2971	0.3137

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 1.7				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 110 1.00 1.7				0.0	0.0	0.0	0	-30	0	-30	UNKNOWN	
PCANT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP	
47	33.78	0.02	6.5358	1.9055	0.2012	-0.3458	0.0358	-0.1146	0.1955	-0.3101	0.3210	
48	34.03	0.01	6.6132	1.7910	0.1407	-0.1455	-0.0175	-0.1225	0.1944	-0.3164	0.2578	
49	34.27	0.02	6.6627	1.7806	0.1565	-0.0500	0.0354	-0.1489	0.1944	-0.3413	0.2537	
50	34.54	0.03	6.1040	1.7143	0.2361	-0.0030	0.0173	-0.1506	0.1913	-0.3419	0.2772	
51	34.78	0.05	6.3512	1.6635	0.4706	-0.6853	0.1201	-0.1765	0.1929	-0.3694	0.2603	
52	35.03	0.03	6.4451	1.5831	0.3366	-0.4250	0.1079	-0.1763	0.1926	-0.3689	0.2455	
53	35.29	0.03	6.5743	1.5720	0.3531	-0.5436	0.1203	-0.1948	0.1941	-0.3889	0.2351	
54	35.53	0.04	6.6179	1.6015	0.3844	-0.6351	0.1325	-0.1979	0.1910	-0.3889	0.2541	
55	35.75	0.06	6.6834	1.5457	0.5016	-0.6009	0.1385	-0.2130	0.1907	-0.4037	0.2313	
56	36.02	0.05	6.6020	1.5212	0.4460	-0.6157	0.1216	-0.2281	0.1867	-0.4168	0.2210	
57	36.25	0.06	6.6574	1.5558	0.5341	-0.6373	0.1395	-0.2283	0.1899	-0.4182	0.2269	
58	36.47	0.06	6.5440	1.4770	0.5016	-0.6000	0.1217	-0.2323	0.1922	-0.4245	0.2134	
59	36.72	0.05	7.0627	1.4660	0.4777	-0.7526	0.1165	-0.2489	0.1834	-0.4323	0.2104	
60	36.97	0.05	7.1731	1.4184	0.4814	-0.6525	0.0755	-0.2742	0.1811	-0.4553	0.1970	
61	37.20	0.05	7.3537	1.4550	0.4512	-0.5005	0.1649	-0.2845	0.1680	-0.4725	0.1984	
62	37.44	0.06	7.3416	1.3570	0.5313	-0.6758	0.1471	-0.2759	0.1600	-0.4619	0.1848	
63	37.68	0.06	7.3065	1.3725	0.5035	-0.7572	0.1475	-0.2935	0.1645	-0.4779	0.1829	
64	37.90	0.06	7.5174	1.3545	0.5145	-0.7671	0.1476	-0.3006	0.1615	-0.4821	0.1855	
65	38.14	0.04	7.5546	1.3455	0.3354	-0.6092	0.1359	-0.3201	0.1791	-0.4662	0.1772	
66	38.38	0.06	7.7600	1.3142	0.3545	-0.7550	0.1040	-0.3233	0.1794	-0.5027	0.1653	
67	38.60	0.05	7.8658	1.3785	0.5545	-0.9201	0.1500	-0.3352	0.1859	-0.5211	0.1752	
68	38.84	0.04	7.5265	1.2672	0.3634	-0.7443	0.1025	-0.3572	0.1714	-0.5286	0.1625	
69	39.06	0.04	8.0089	1.2144	0.4635	-0.9601	0.1858	-0.3354	0.1779	-0.5173	0.1516	
70	39.27	0.05	8.0947	1.2731	0.5430	-1.0850	0.1029	-0.3599	0.1716	-0.5315	0.1573	
71	39.50	0.05	8.1408	1.2430	0.5783	-1.1073	0.1512	-0.3561	0.1725	-0.5286	0.1527	
72	39.72	0.05	8.2025	1.2078	0.5377	-1.1508	0.1279	-0.3853	0.1661	-0.5514	0.1462	
73	39.93	0.04	8.3552	1.1535	0.4462	-1.0120	0.0526	-0.3766	0.1687	-0.5433	0.1428	
74	40.15	0.04	8.4465	1.1025	0.4850	-0.9941	0.0221	-0.3539	0.1649	-0.5568	0.1305	
75	40.34	0.04	8.3600	1.1702	0.4454	-0.9819	0.0513	-0.3751	0.1714	-0.5465	0.1400	
76	40.55	0.04	8.5455	1.1058	0.4322	-1.0264	0.0108	-0.3961	0.1683	-0.5644	0.1369	
77	40.76	0.05	8.6072	1.1455	0.5368	-1.1586	0.0407	-0.3972	0.1690	-0.5662	0.1336	
78	41.00	0.04	8.7539	1.1057	0.5158	-1.0449	0.0235	-0.4025	0.1679	-0.5704	0.1268	
79	41.23	0.03	8.8846	1.0254	0.3818	-0.9595	-0.0359	-0.4226	0.1687	-0.5913	0.1154	
80	41.44	0.05	8.9248	1.0155	0.6375	-1.3447	0.0057	-0.4255	0.1694	-0.5549	0.1142	
81	41.68	0.02	8.9653	1.0287	0.3801	-0.9806	0.0534	-0.4246	0.1713	-0.5959	0.1147	
82	41.84	0.02	8.6640	0.9574	0.3153	-1.2670	0.0185	-0.4372	0.1718	-0.6088	0.1056	
83	42.07	0.04	9.1232	0.9553	0.5561	-1.2116	0.0367	-0.4514	0.1705	-0.6219	0.1047	
84	42.27	0.04	9.2642	0.9354	0.5251	-1.3344	-0.0180	-0.4297	0.1764	-0.6061	0.1015	
85	42.47	0.03	9.2362	1.0222	0.5328	-1.4106	0.0315	-0.4436	0.1741	-0.6177	0.1107	
86	42.65	0.03	9.3373	0.8763	0.4724	-0.9525	0.0430	-0.4473	0.1740	-0.6213	0.0939	
87	42.85	0.04	9.4071	0.5753	0.5765	-1.3073	0.0497	-0.4508	0.1724	-0.6232	0.1041	
88	43.03	0.04	9.5438	1.0262	0.3335	-0.8210	0.0495	-0.4620	0.1714	-0.6340	0.1075	
89	43.21	0.03	9.5200	0.8556	0.5185	-0.8533	0.0850	-0.4483	0.1760	-0.6245	0.0903	
90	43.38	0.01	9.5504	1.0107	0.3574	-1.2020	0.0266	-0.4459	0.1777	-0.6216	0.1054	
91	43.57	0.03	9.7115	1.0068	0.5350	-1.1286	0.0960	-0.4655	0.1705	-0.6360	0.1038	
92	43.78	0.03	9.6252	1.0201	0.5725	-1.2015	0.0867	-0.4724	0.1699	-0.6423	0.1038	

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF RX10-6		PHI CNCF		L		DEL1 DEL2		DEL3 DEL4		TRANSITION	
7 116 1.00 1.7		0.0 0.100 1.5		0.0		0 -30		0 -30		UNKNOWN	
PLANT	ALPHA	BETA	CN	CLM	CL	CLA	CLL	CA	CAB	CAF	XCP
93	43.95	0.04	5.8662	0.5353	0.6337	-0.5404	0.1330	-0.4599	0.1765	-0.6364	0.0953
94	44.14	0.03	5.9352	0.8537	0.6902	-1.1004	0.0375	-0.4601	0.1766	-0.6367	0.0659
95	44.32	0.02	5.9583	1.0366	0.5055	-0.5573	0.0871	-0.4622	0.1741	-0.6363	0.1037
96	44.45	0.03	10.0010	1.0357	0.5155	-0.5456	0.1458	-0.4651	0.1715	-0.6430	0.1027
97	44.67	0.02	10.0650	1.0113	0.4543	-0.6543	0.0928	-0.4608	0.1751	-0.6435	0.1002
98	44.88	0.01	10.2584	0.5604	0.3685	-0.7363	0.0755	-0.4616	0.1752	-0.6370	0.0938
99	45.05	0.01	10.2221	1.0132	0.3565	-0.9600	0.0642	-0.4664	0.1733	-0.6397	0.0951
100	45.24	0.03	10.2847	0.5733	0.6030	-0.9247	0.0704	-0.4638	0.1771	-0.6405	0.0946
101	45.41	0.01	10.4200	0.8586	0.3456	-0.5785	0.0877	-0.4931	0.1774	-0.6704	0.0824
102	45.61	0.01	10.5056	0.9205	0.3540	-0.6638	0.0590	-0.4688	0.1627	-0.6515	0.0876
103	45.79	0.00	10.5242	1.0456	0.4062	-1.0193	0.0420	-0.4657	0.1835	-0.6456	0.0957
104	45.98	0.00	10.7034	0.9403	0.3790	-0.8504	0.0340	-0.4722	0.1839	-0.6501	0.0878
105	46.15	0.00	10.7040	0.6284	0.3462	-0.4503	0.0534	-0.4736	0.1831	-0.6567	0.0774
106	46.34	-0.01	10.8252	0.8403	0.2010	-0.4110	0.0714	-0.4812	0.1811	-0.6623	0.0761
107	46.51	-0.02	10.9411	1.2474	0.0984	-0.4755	0.0360	-0.4636	0.1872	-0.6508	0.1151
108	46.69	-0.01	10.8873	1.2236	0.1647	-0.3017	0.0931	-0.4731	0.1844	-0.6575	0.1124
109	46.83	0.02	10.9058	0.9575	0.4321	-0.0232	0.0996	-0.4712	0.1853	-0.6565	0.0915
110	47.03	0.00	10.9637	1.0602	0.1741	-0.5118	0.0224	-0.4708	0.1900	-0.6614	0.0970
111	47.21	-0.00	10.9532	1.2172	0.2755	-0.6431	0.0600	-0.4649	0.1932	-0.6581	0.1111
112	47.37	-0.01	11.0154	1.0553	0.1836	-0.7408	0.0359	-0.4459	0.2170	-0.6625	0.0998
113	47.53	0.02	11.0035	1.1763	0.4511	-0.4242	0.0573	-0.4525	0.2407	-0.6933	0.1071
114	47.74	0.03	11.1025	0.8454	0.5332	-0.5280	0.0626	-0.4412	0.2645	-0.7058	0.0565
115	47.93	-0.00	11.2283	0.5277	0.2020	-0.5857	0.0375	-0.4610	0.2726	-0.7335	0.0470
116	48.10	0.03	11.4613	-0.1062	0.4456	-1.0282	0.0440	-0.4370	0.2856	-0.7227	-0.0157
117	48.26	0.02	11.5433	-0.1887	0.2643	-1.2417	0.0457	-0.4360	0.3219	-0.7579	-0.0163
118	48.47	0.04	11.8434	-1.3714	0.3670	-1.6028	0.0309	-0.3297	0.3554	-0.6851	-0.1158
119	48.64	0.07	12.1005	-2.1030	0.6611	-1.7761	0.0242	-0.3000	0.4000	-0.7060	-0.1738
120	48.77	0.05	12.2025	-2.2220	0.4710	-1.7573	0.0189	-0.3104	0.4045	-0.7145	-0.1821
121	49.00	0.06	12.3020	-2.2677	0.4667	-2.1950	0.0122	-0.3311	0.4024	-0.7335	-0.1848
122	49.16	0.06	12.3782	-2.1464	0.5732	-2.1165	0.0066	-0.3292	0.3560	-0.7252	-0.1729
123	49.36	0.05	12.5166	-2.0764	0.4810	-2.2545	0.0009	-0.3448	0.3504	-0.7352	-0.1661
124	49.51	0.04	12.5204	-2.0765	0.3960	-2.2687	0.0070	-0.3243	0.3604	-0.7047	-0.1659
125	49.65	0.05	12.6746	-2.0117	0.4516	-2.1646	0.0075	-0.3429	0.3673	-0.7102	-0.1587
126	49.87	0.05	12.7118	-2.0631	0.4443	-2.6173	-0.0032	-0.3792	0.3705	-0.7457	-0.1623
127	50.07	0.02	12.7870	-2.1565	0.2311	-1.5215	-0.0136	-0.3947	0.3486	-0.7433	-0.1688
128	50.26	0.03	13.0370	-2.0536	0.2747	-1.6005	-0.0011	-0.3802	0.3540	-0.7422	-0.1805
129	50.40	0.01	13.0550	-2.3527	0.1160	-1.8537	-0.0124	-0.3708	0.3667	-0.7375	-0.1833
130	50.59	0.01	13.1026	-2.0600	0.2155	-1.7235	0.0172	-0.3533	0.3799	-0.7332	-0.2021
131	50.76	0.04	13.1663	-2.4682	0.4714	-1.5815	0.0117	-0.3443	0.3760	-0.7223	-0.1870
132	50.92	0.01	13.1953	-2.0214	0.2350	-1.1218	0.0314	-0.3674	0.3700	-0.7374	-0.1911
133	51.06	-0.00	13.7451	-2.6234	0.1264	-1.1215	0.0311	-0.3892	0.3585	-0.7457	-0.2003
134	51.26	0.02	13.3026	-2.7440	0.4340	-1.0730	0.0372	-0.3731	0.3621	-0.7352	-0.2063
135	51.41	0.02	13.0045	-2.2605	0.4058	-0.7672	0.0612	-0.3721	0.3621	-0.7342	-0.1731
136	51.55	0.01	12.9840	-2.0217	0.3303	-0.6021	0.0721	-0.3637	0.3772	-0.7409	-0.1564
137	51.72	0.02	12.5416	-1.7724	0.4426	-0.7549	0.0613	-0.3605	0.3768	-0.7373	-0.1370
138	51.90	0.02	13.0948	-1.9052	0.4566	-0.8499	0.0554	-0.3542	0.3896	-0.7438	-0.1455

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH KX10-6												
7 116 1.00 1.7 C.C. 016013 C.C. 0 DEL1 DEL2 DEL3 DEL4 TRANSITION												
0 -30 0 -30 UNKNOWN												
PLINT	ALPHA	BETA	CN	CLM	CV	CLA	CLL	CA	CAB	CAF	XCP	
139	52.05	-0.01	12.5775	-2.0552	0.2270	0.8637	0.0554	-0.3578	0.3952	-0.7530	-0.1579	
140	52.21	-0.00	12.6172	-2.0810	0.3104	0.8161	0.0556	-0.3567	0.3933	-0.7520	-0.1522	
141	52.38	-0.00	12.5432	-1.7423	0.3311	0.7364	0.0559	-0.3362	0.3953	-0.7315	-0.1346	
142	52.54	0.02	13.0542	-1.7724	0.3663	0.7541	0.0440	-0.3330	0.3979	-0.7309	-0.1358	
143	52.74	0.00	13.1358	-1.7525	0.3427	0.9544	0.0499	-0.3355	0.4009	-0.7404	-0.1334	
144	52.89	-0.02	13.2053	-1.8580	0.1544	1.1312	0.0498	-0.3442	0.3975	-0.7421	-0.1407	
145	53.04	-0.02	13.1548	-1.8103	0.2215	1.0076	0.0502	-0.3247	0.4074	-0.7321	-0.1372	
146	53.22	-0.03	13.1477	-1.8050	0.0594	0.9724	0.0590	-0.3356	0.4089	-0.7445	-0.1413	
147	53.38	-0.00	13.1845	-1.6571	0.2512	0.9217	0.0389	-0.3116	0.4188	-0.7304	-0.1257	
148	53.54	-0.02	13.3075	-1.7627	0.0847	0.9502	0.0454	-0.2941	0.4289	-0.7230	-0.1481	
149	53.71	0.00	13.3160	-2.1157	0.2511	1.1059	0.0500	-0.3247	0.4252	-0.7459	-0.1589	
150	53.88	-0.04	13.4764	-2.3720	-0.0275	0.9501	0.0510	-0.3246	0.4316	-0.7502	-0.1762	
151	54.04	-0.01	13.4253	-2.1552	0.1755	0.9014	0.0514	-0.3168	0.4415	-0.7583	-0.1638	
152	54.16	0.01	13.3756	-2.2444	0.3240	1.1585	0.0555	-0.3108	0.4471	-0.7579	-0.1678	
153	54.30	-0.02	13.5558	-2.0841	0.0855	0.9512	0.0455	-0.3397	0.4476	-0.7873	-0.1676	
154	54.50	0.01	13.4629	-2.3570	0.3045	1.1820	0.0442	-0.3150	0.4409	-0.7625	-0.1781	
155	54.65	-0.00	13.4471	-2.3888	0.2593	1.0053	0.0507	-0.3323	0.4480	-0.7803	-0.1761	
156	54.81	-0.02	13.4352	-2.2053	0.1616	1.0008	0.0450	-0.3250	0.4489	-0.7739	-0.1701	
157	54.98	-0.01	13.6045	-2.1408	0.1027	0.8514	0.0526	-0.2512	0.4513	-0.7425	-0.1573	
158	55.11	-0.03	13.5825	-2.3846	-0.0537	0.8329	0.0407	-0.3229	0.4476	-0.7705	-0.1758	
159	55.28	-0.02	13.6257	-2.4778	0.0160	0.8493	0.0408	-0.3262	0.4491	-0.7773	-0.1818	
160	55.43	-0.02	13.6020	-2.3004	0.1136	0.8199	0.0384	-0.3126	0.4533	-0.7659	-0.1651	
161	55.57	0.00	13.5564	-2.3845	0.3475	0.5460	0.0530	-0.3304	0.4486	-0.7790	-0.1754	

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		FXIG-6		PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		110		1.00		1.7	C.C. BINGF13	0.0	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CNF1	CHI	CBI	XCPF1	YCPF1	CNF2	Cm2	Cb2	XCPF2	YCPF2	
1	-5.91	0.01	0.0027	0.0108	0.0101	4.0021	6.6380	-1.0066	-0.0047	-0.4566	0.0047	0.4538	
2	-5.90	0.01	0.0007	0.0098	0.0165	14.0075	24.0766	-1.0065	-0.0047	-0.4570	0.0047	0.4540	
3	-5.90	0.00	0.0055	0.0089	0.0146	-1.8190	-2.8468	-1.0105	-0.0047	-0.4564	0.0047	0.4516	
4	-5.90	0.00	0.0003	0.0098	0.0165	-32.0170	-54.8418	-1.0203	-0.0036	-0.4595	0.0035	0.4503	
5	-5.91	0.00	0.0008	0.0103	0.0176	17.1758	29.2603	-1.0129	-0.0044	-0.4588	0.0044	0.4525	
6	-5.90	0.01	0.0014	0.0155	0.0162	-7.0752	-11.5306	-1.0105	-0.0043	-0.4571	0.0043	0.4525	
7	-5.90	0.00	0.0044	0.0085	0.0146	-2.0238	-3.3060	-1.0203	-0.0040	-0.4592	0.0035	0.4500	
8	-5.71	0.01	0.0048	0.0106	0.0185	2.2512	3.9292	-1.0467	-0.0024	-0.4732	0.0023	0.4521	
9	-3.69	0.01	0.0111	0.0115	0.0203	1.0725	1.8256	-1.2961	0.0063	-0.5832	-0.0049	0.4500	
10	-2.22	0.01	0.0021	0.0092	0.0142	-4.3833	-6.7358	-1.2415	0.0047	-0.5853	-0.0038	0.4553	
11	-0.45	0.00	0.0156	0.0102	0.0156	0.6839	1.2381	-1.2468	0.0015	-0.5748	-0.0012	0.4810	
12	1.31	0.01	0.0156	0.0101	0.0183	0.6737	1.2172	-1.2037	-0.0076	-0.5590	0.0063	0.4644	
13	3.17	0.01	0.0104	0.0094	0.0181	0.5111	0.9814	-1.1396	-0.0125	-0.5288	0.0113	0.4640	
14	4.00	0.01	0.0077	0.0075	0.0160	1.0265	2.0715	-1.0695	-0.0195	-0.4955	0.0183	0.4637	
15	6.70	0.01	0.0118	0.0063	0.0247	0.5342	2.0914	-1.0279	-0.0243	-0.5013	0.0237	0.4876	
16	8.48	0.01	0.0006	0.0055	0.0180	9.8386	31.2884	-0.9234	-0.0243	-0.4990	0.0264	0.4970	
17	10.27	0.01	0.0197	0.0051	0.0305	0.2590	1.5684	-0.7985	-0.0274	-0.4026	0.0344	0.5042	
18	12.14	0.01	0.0011	0.0081	0.0210	7.3670	19.6080	-0.6967	-0.0188	-0.3694	0.0270	0.5305	
19	13.93	0.01	0.0005	0.0072	0.0231	8.0643	25.6373	-0.5724	-0.0159	-0.3161	0.0278	0.5522	
20	15.64	0.01	0.0021	0.0071	0.0204	0.6770	3.2573	-0.4522	-0.0118	-0.2556	0.0261	0.5653	
21	17.76	0.01	0.0065	0.0014	0.0228	-0.2155	-3.5035	-0.3344	-0.0062	-0.1982	0.0186	0.5527	
22	19.03	0.01	0.0097	0.0	0.0288	0.0	-2.9862	-0.2084	0.0018	-0.1373	-0.0087	0.6587	
23	21.58	0.02	0.0232	0.0011	0.0104	-0.0474	-0.4497	-0.0824	0.0123	-0.0821	-0.1495	0.5571	
24	23.52	0.01	0.0448	0.0142	0.0200	0.1500	0.2108	-0.0155	0.0233	-0.0461	-1.5040	2.9708	
25	25.48	0.03	0.0454	0.0231	0.0238	0.5091	0.5237	0.1374	0.0320	0.0160	0.2332	0.1162	
26	27.50	0.08	0.3302	0.0035	0.1458	0.1923	0.4531	0.2736	0.0373	0.0754	0.1361	0.2756	
27	42.07	2.77	0.3367	0.0627	0.1564	0.1865	0.4595	0.2963	0.0390	0.0854	0.1315	0.2884	
28	28.45	0.07	0.3555	0.0630	0.1653	0.1752	0.4709	0.3049	0.0394	0.0903	0.1307	0.2961	
29	28.81	0.08	0.3714	0.0635	0.1765	0.1720	0.4752	0.3188	0.0409	0.0955	0.1282	0.2995	
30	27.15	0.08	0.3655	0.0624	0.1750	0.1888	0.4730	0.3404	0.0425	0.1067	0.1226	0.3081	
31	29.42	0.08	0.3618	0.0617	0.1815	0.1818	0.4754	0.3511	0.0432	0.1093	0.1229	0.3114	
32	29.73	0.08	0.4255	0.0670	0.1592	0.1573	0.4678	0.3693	0.0440	0.1183	0.1207	0.3203	
33	30.02	0.07	0.3111	0.0502	0.1521	0.1613	0.4690	0.3775	0.0468	0.1221	0.1239	0.3234	
34	30.31	0.08	0.3672	0.0561	0.1773	0.1527	0.4629	0.4129	0.0484	0.1352	0.1172	0.3371	
35	30.58	0.07	0.3643	0.0523	0.1762	0.1435	0.4637	0.4141	0.0490	0.1390	0.1183	0.3358	
36	30.84	0.07	0.3311	0.0454	0.1623	0.1491	0.4601	0.4151	0.0490	0.1416	0.1180	0.3411	
37	31.13	0.07	0.3793	0.0510	0.1804	0.1344	0.4757	0.4188	0.0497	0.1441	0.1187	0.3442	
38	31.39	0.08	0.3734	0.0508	0.1785	0.1360	0.4781	0.4310	0.0505	0.1514	0.1171	0.3513	
39	31.68	0.08	0.3811	0.0509	0.1858	0.1324	0.4874	0.4347	0.0502	0.1519	0.1194	0.3495	
40	31.95	0.07	0.3420	0.0485	0.1685	0.1417	0.4679	0.4514	0.0510	0.1608	0.1143	0.3561	
41	32.23	0.07	0.3265	0.0508	0.1515	0.1544	0.4607	0.4767	0.0511	0.1729	0.1071	0.3627	
42	32.50	0.06	0.2031	0.0406	0.1804	0.1597	0.4252	0.4686	0.0519	0.1788	0.1062	0.3660	
43	32.75	0.07	0.2571	0.0455	0.1748	0.1784	0.4483	0.4909	0.0528	0.1808	0.1071	0.3684	
44	33.02	0.03	0.0079	0.0185	0.0074	2.3457	-0.9397	0.5025	0.0501	0.1895	0.1116	0.3771	
45	33.28	0.03	0.0033	0.0164	0.0186	-4.5723	5.6240	0.4928	0.0574	0.1851	0.1165	0.3758	
46	33.53	0.03	0.0057	0.0065	0.0307	-0.1242	0.6700	0.4972	0.0606	0.1863	0.1219	0.3787	

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART WACF RATIO-6				PHI	CANF	L	CEL1	DEL2	DEL3	DEL4	TRANSITION	
7 115 1.00 1.7				0.0	0.0	0.0	0	-30	0	-30	UNKNOWN	
FCINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	35.78	0.02	0.0538	0.0175	0.0188	0.3255	0.3487	0.5092	0.0597	0.1951	0.1172	0.3832
48	34.03	0.01	0.0150	0.0025	0.0053	0.3670	0.3545	0.5079	0.0608	0.1941	0.1157	0.3822
49	34.27	0.02	0.0773	0.0131	0.0256	0.1704	0.3848	0.5140	0.0603	0.1567	0.1173	0.3827
50	34.54	0.03	0.0225	0.0032	0.0047	0.1423	0.2396	0.5126	0.0620	0.1973	0.1209	0.3845
51	34.78	0.05	0.1887	0.0178	0.0540	0.0545	0.4981	0.5259	0.0603	0.2045	0.1146	0.3885
52	35.03	0.03	0.0865	0.0064	0.0065	0.0792	0.5778	0.5323	0.0611	0.2080	0.1150	0.3907
53	35.24	0.03	0.1504	0.0168	0.0352	0.0884	0.5000	0.5442	0.0610	0.2157	0.1121	0.3563
54	35.53	0.04	0.1758	0.0150	0.0503	0.0855	0.5136	0.5441	0.0614	0.2167	0.1128	0.3583
55	35.75	0.06	0.1466	0.0054	0.0765	0.0842	0.5423	0.5555	0.0620	0.2248	0.1115	0.4044
56	36.02	0.05	0.1552	0.0102	0.0754	0.1019	0.4735	0.5751	0.0625	0.2135	0.1087	0.4059
57	36.25	0.06	0.2402	0.0215	0.1160	0.0513	0.4828	0.5630	0.0624	0.2258	0.1108	0.4082
58	36.47	0.06	0.1743	0.0140	0.0803	0.0803	0.4950	0.5846	0.0631	0.2402	0.1079	0.4108
59	36.72	0.05	0.2318	0.0215	0.1125	0.0546	0.4851	0.5967	0.0629	0.2447	0.1054	0.4101
60	36.97	0.05	0.2655	0.0155	0.0520	0.0549	0.4362	0.6206	0.0632	0.2564	0.1018	0.4131
61	37.20	0.05	0.2503	0.0252	0.1300	0.0869	0.4684	0.6110	0.0641	0.2533	0.1049	0.4147
62	37.44	0.06	0.2502	0.0221	0.1227	0.0884	0.4904	0.6206	0.0636	0.2581	0.1025	0.4158
63	37.66	0.06	0.2653	0.0235	0.1280	0.0874	0.4753	0.6279	0.0642	0.2598	0.1022	0.4137
64	37.90	0.06	0.2666	0.0203	0.1257	0.0762	0.4715	0.6241	0.0656	0.2584	0.1051	0.4140
65	38.14	0.04	0.2577	0.0201	0.1207	0.0761	0.4683	0.6357	0.0651	0.2641	0.1024	0.4154
66	38.38	0.06	0.2550	0.0203	0.1259	0.0765	0.4861	0.6261	0.0676	0.2625	0.1079	0.4175
67	38.60	0.05	0.2050	0.0124	0.0522	0.0606	0.4497	0.6521	0.0676	0.2742	0.1040	0.4203
68	38.84	0.04	0.2030	0.0124	0.0500	0.0612	0.4472	0.6643	0.0685	0.2775	0.1031	0.4178
69	39.06	0.04	0.2323	0.0151	0.1064	0.0823	0.4582	0.6641	0.0688	0.2791	0.1036	0.4203
70	39.27	0.05	0.2505	0.0204	0.1340	0.0703	0.4615	0.6684	0.0703	0.2803	0.1052	0.4194
71	39.50	0.05	0.2283	0.0154	0.1045	0.0876	0.4578	0.6684	0.0717	0.2817	0.1073	0.4214
72	39.72	0.05	0.2267	0.0161	0.1010	0.0711	0.4456	0.6680	0.0720	0.2861	0.1054	0.4188
73	39.95	0.04	0.1714	0.0141	0.0721	0.0824	0.4207	0.6878	0.0724	0.2883	0.1053	0.4191
74	40.15	0.04	0.0858	0.0125	0.0146	0.1435	0.1022	0.7167	0.0720	0.3032	0.1005	0.4231
75	40.34	0.04	0.1530	0.0155	0.0485	0.1046	0.3195	0.7033	0.0731	0.2966	0.1039	0.4217
76	40.55	0.04	0.0830	0.0167	0.0073	0.2016	0.3083	0.7237	0.0738	0.3048	0.1020	0.4213
77	40.76	0.05	0.1550	0.0177	0.0552	0.1143	0.3562	0.7223	0.0792	0.3038	0.1041	0.4207
78	41.00	0.04	0.0451	0.0177	0.0225	0.1789	0.2510	0.7350	0.0760	0.3097	0.1037	0.4225
79	41.23	0.03	0.0557	0.0195	0.0106	0.3509	0.1913	0.7498	0.0763	0.3185	0.1018	0.4248
80	41.46	0.05	0.1264	0.0151	0.0353	0.1513	0.3106	0.7475	0.0770	0.3148	0.1030	0.4211
81	41.68	0.02	0.1967	0.0245	0.0763	0.1345	0.3880	0.7341	0.0763	0.3084	0.1040	0.4201
82	41.85	0.02	0.1362	0.0250	0.0321	0.1657	0.2359	0.7595	0.0756	0.3195	0.0998	0.4207
83	42.07	0.04	0.1322	0.0248	0.0355	0.1878	0.2719	0.7607	0.0763	0.3190	0.1003	0.4194
84	42.27	0.04	0.0860	0.0235	0.0021	0.2675	0.0240	0.7736	0.0761	0.3255	0.0984	0.4208
85	42.47	0.03	0.1402	0.0254	0.0355	0.1814	0.2535	0.7556	0.0769	0.3155	0.1018	0.4175
86	42.65	0.03	0.1658	0.0235	0.0625	0.1440	0.3773	0.7353	0.0776	0.3029	0.1056	0.4120
87	42.85	0.04	0.1508	0.0260	0.0437	0.1726	0.2896	0.7521	0.0769	0.3129	0.1023	0.4166
88	43.03	0.02	0.1367	0.0216	0.0377	0.1562	0.2754	0.7575	0.0774	0.3187	0.1022	0.4207
89	43.21	0.03	0.1584	0.0237	0.0557	0.1458	0.3771	0.7411	0.0769	0.3046	0.1038	0.4114
90	43.38	0.01	0.1254	0.0235	0.0235	0.1508	0.1906	0.7649	0.0777	0.3214	0.1016	0.4262
91	43.57	0.03	0.1658	0.0261	0.0563	0.1658	0.3318	0.7589	0.0777	0.3178	0.1024	0.4188
92	43.78	0.03	0.1776	0.0287	0.0633	0.1619	0.3363	0.7453	0.0784	0.3103	0.1059	0.4163

PAGE 2 OF 3
SHEET 3 OF 4

PART II MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO-6				PHI CONF		C		DEL1	DEL2	DEL3	DEL4	TRANSITION
7 110 1.00 1.7				C.C BIBO F13		C.C		0	-30	0	-30	UNKNOWN
FCINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
93	43.95	0.04	0.1846	0.0220	0.0740	0.1411	0.4010	0.7227	0.0788	0.2578	0.1091	0.4121
94	44.12	0.03	0.1515	0.0226	0.0467	0.1758	0.3061	0.7621	0.0760	0.3176	0.1024	0.4167
95	44.32	0.02	0.1628	0.0245	0.0718	0.1342	0.3517	0.7260	0.0751	0.3005	0.1050	0.4140
96	44.44	0.03	0.1644	0.0243	0.0674	0.1480	0.4097	0.6970	0.0802	0.2867	0.1151	0.4113
97	44.67	0.02	0.1255	0.0200	0.0412	0.1660	0.3280	0.7321	0.0784	0.3047	0.1071	0.4163
98	44.88	0.01	0.1217	0.0224	0.0295	0.1804	0.2425	0.7370	0.0786	0.3079	0.1067	0.4177
99	45.05	0.01	0.1416	0.0251	0.0364	0.1775	0.2574	0.7455	0.0781	0.3115	0.1048	0.4184
100	45.24	0.03	0.1275	0.0212	0.0352	0.1665	0.2764	0.7248	0.0781	0.3032	0.1078	0.4184
101	45.41	0.01	0.1252	0.0183	0.0425	0.1464	0.3392	0.7323	0.0777	0.3023	0.1061	0.4129
102	45.61	0.01	0.1037	0.0151	0.0151	0.1645	0.1840	0.7295	0.0779	0.3034	0.1068	0.4160
103	45.79	0.00	0.0673	0.0202	0.0047	0.2316	0.0541	0.7320	0.0777	0.3035	0.1062	0.4147
104	45.98	0.00	0.0663	0.0142	0.0046	0.2229	0.1117	0.7345	0.0781	0.3045	0.1064	0.4152
105	46.15	0.00	0.0603	0.0188	0.0132	0.2071	0.1639	0.7227	0.0780	0.2971	0.1080	0.4111
106	46.32	0.01	0.0942	0.0152	0.0160	0.2123	0.1763	0.7230	0.0768	0.2971	0.1062	0.4116
107	46.51	0.02	0.0763	0.0114	0.0232	0.1497	0.3041	0.6786	0.0785	0.2782	0.1157	0.4100
108	46.69	0.01	0.0586	0.0175	0.0276	0.1776	0.2021	0.6947	0.0710	0.2867	0.1162	0.4163
109	46.83	0.02	0.0576	0.0135	0.0334	0.1365	0.3426	0.6810	0.0775	0.2772	0.1138	0.4071
110	47.03	0.00	0.0665	0.0051	0.0227	0.1371	0.3415	0.6726	0.0783	0.2739	0.1164	0.4073
111	47.21	0.00	0.0492	0.0070	0.0141	0.1624	0.2855	0.6736	0.0753	0.2753	0.1177	0.4087
112	47.37	0.01	0.0634	0.0115	0.0173	0.1803	0.2705	0.7301	0.0781	0.3006	0.1070	0.4118
113	47.53	0.02	0.0614	0.0123	0.0128	0.2066	0.2078	0.7127	0.0785	0.2945	0.1107	0.4132
114	47.74	0.03	0.0427	0.0171	0.0032	0.4007	0.0752	0.7635	0.0760	0.3152	0.0956	0.4128
115	47.93	0.00	0.0388	0.0157	0.0005	0.5080	0.0233	0.8029	0.0751	0.3332	0.0935	0.4145
116	48.10	0.03	0.0053	0.0150	0.0170	2.0441	1.8230	0.7594	0.0736	0.3060	0.0969	0.4025
117	48.26	0.02	0.0070	0.0138	0.0396	0.2895	0.8410	0.7929	0.0715	0.3192	0.0902	0.4026
118	48.47	0.04	0.0065	0.0015	0.0013	0.2309	0.2006	0.7590	0.0723	0.3103	0.0953	0.4088
119	48.64	0.07	0.0197	0.0040	0.0033	0.2032	0.1660	0.7623	0.0728	0.3102	0.0955	0.4065
120	48.77	0.05	0.0439	0.0038	0.0041	0.0866	0.0937	0.7696	0.0729	0.3112	0.0947	0.4063
121	49.00	0.08	0.0231	0.0058	0.0029	0.2512	0.1259	0.7792	0.0726	0.3165	0.0932	0.4062
122	49.16	0.06	0.0226	0.0035	0.0013	0.2414	0.0572	0.7760	0.0721	0.3168	0.0929	0.4065
123	49.36	0.05	0.0108	0.0050	0.0061	0.8495	0.5773	0.7842	0.0722	0.3152	0.0921	0.4015
124	49.51	0.04	0.0155	0.0065	0.0013	0.3335	0.0669	0.7776	0.0709	0.3080	0.0912	0.3960
125	49.69	0.05	0.0164	0.0076	0.0022	0.4637	0.1346	0.7729	0.0705	0.3055	0.0912	0.3952
126	49.87	0.05	0.0245	0.0107	0.0032	0.4370	0.1310	0.8025	0.0713	0.3195	0.0888	0.3981
127	50.07	0.02	0.0376	0.0128	0.0046	0.3406	0.1227	0.8457	0.0694	0.3373	0.0821	0.3988
128	50.26	0.03	0.0546	0.0061	0.0109	0.1114	0.1995	0.8434	0.0696	0.3340	0.0828	0.3960
129	50.40	0.01	0.0482	0.0070	0.0054	0.1453	0.1124	0.8530	0.0691	0.3377	0.0810	0.3955
130	50.59	0.01	0.0704	0.0031	0.0133	0.0438	0.1870	0.8297	0.0676	0.3225	0.0817	0.3887
131	50.76	0.04	0.0836	0.0061	0.0224	0.0012	0.2617	0.8385	0.0700	0.3337	0.0835	0.3979
132	50.92	0.01	0.0883	0.0059	0.0110	0.0669	0.1251	0.8031	0.0649	0.3036	0.0808	0.3781
133	51.08	0.00	0.0800	0.0046	0.0084	0.0576	0.1055	0.8104	0.0641	0.3054	0.0791	0.3768
134	51.26	0.02	0.0763	0.0061	0.0035	0.0801	0.0513	0.7941	0.0622	0.2957	0.0783	0.3724
135	51.41	0.02	0.0516	0.0100	0.0157	0.1093	0.1710	0.7867	0.0646	0.2996	0.0819	0.3795
136	51.55	0.01	0.0583	0.0057	0.0031	0.1727	0.0553	0.7720	0.0647	0.2936	0.0818	0.3803
137	51.72	0.02	0.0454	0.0100	0.0045	0.2025	0.0914	0.7633	0.0630	0.2909	0.0851	0.3808
138	51.90	0.02	0.0307	0.0041	0.0051	0.3015	0.1694	0.7588	0.0640	0.2855	0.0843	0.3762

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RX10-8			PHI CONF		L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 110 1.00 1.7			C.C. B10CF13		U.C	0	-30	U	-30	UNKNOWN		
PCINT	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8	CONF9	CONF10
139	52.05	-0.01	0.0571	0.0091	-0.0008	0.2454	-0.0216	0.7681	0.0644	0.2924	0.0838	0.3807
140	52.21	-0.00	0.0571	0.0113	-0.0013	0.3447	-0.0352	0.7661	0.0633	0.2881	0.0826	0.3760
141	52.38	-0.00	0.0575	0.0075	-0.0038	0.2690	-0.1366	0.7527	0.0627	0.2822	0.0833	0.3745
142	52.54	0.02	0.0024	0.0022	-0.0121	0.8100	-1.4451	0.7524	0.0621	0.2808	0.0825	0.3736
143	52.74	0.00	0.0228	0.0080	-0.0066	0.3511	-0.2404	0.7601	0.0622	0.2826	0.0818	0.3717
144	52.89	-0.02	0.0024	0.0057	-0.0115	0.6769	-1.3734	0.7498	0.0610	0.2742	0.0815	0.3682
145	53.04	-0.02	0.0054	0.0068	-0.0117	0.7238	-1.2487	0.7493	0.0608	0.2763	0.0811	0.3688
146	53.22	-0.03	0.0064	0.0057	-0.0131	0.8411	-2.0377	0.7541	0.0630	0.2765	0.0795	0.3654
147	53.38	-0.00	-0.0026	0.0050	-0.0172	-1.7667	6.1267	0.7258	0.0585	0.2644	0.0806	0.3643
148	53.54	-0.02	-0.0030	0.0052	-0.0154	-1.7342	5.2835	0.7234	0.0582	0.2633	0.0804	0.3640
149	53.71	0.00	-0.0271	0.0055	-0.0235	-0.2178	0.8610	0.7267	0.0582	0.2631	0.0801	0.3626
150	53.88	-0.04	-0.0228	0.0050	-0.0227	-0.2154	0.9444	0.7397	0.0586	0.2706	0.0792	0.3658
151	54.04	-0.01	-0.0161	0.0057	-0.0175	-0.3542	1.0642	0.7505	0.0574	0.2769	0.0785	0.3656
152	54.18	0.01	-0.0347	0.0052	-0.0274	-0.1311	0.8949	0.7063	0.0441	0.2586	0.0824	0.3656
153	54.36	-0.02	-0.0222	0.0057	-0.0206	-0.2565	0.9354	0.7372	0.0586	0.2640	0.0768	0.3645
154	54.50	0.01	-0.0442	0.0063	-0.0297	-0.1335	0.6291	0.7420	0.0582	0.2718	0.0757	0.3663
155	54.65	-0.00	-0.0372	0.0064	-0.0240	-0.1721	0.8445	0.7610	0.0586	0.2800	0.0746	0.3680
156	54.81	-0.02	-0.0277	0.0062	-0.0211	-0.2235	0.7005	0.7444	0.0553	0.2735	0.0743	0.3674
157	54.98	-0.01	-0.0135	0.0064	-0.0138	-0.4743	1.0161	0.7056	0.0428	0.2601	0.0606	0.3686
158	55.11	-0.03	-0.0131	0.0055	-0.0160	-0.4506	1.2176	0.7303	0.0496	0.2681	0.0679	0.3671
159	55.28	-0.02	-0.0153	0.0055	-0.0167	-0.3055	0.9668	0.7549	0.0550	0.2773	0.0728	0.3674
160	55.43	-0.02	-0.0219	0.0053	-0.0164	-0.2421	0.7467	0.7152	0.0428	0.2651	0.0598	0.3707
161	55.57	0.00	-0.0041	0.0062	-0.0103	-1.5130	2.5202	0.7416	0.0523	0.2729	0.0705	0.3680

PAGE 3 OF 3
SHEET 1 OF 4

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: X10-6			PMT CNF		DEL1 DEL2		DEL3 DEL4		TRANSITION			
1			0.0 0.00 1.7		0.0 0.00 1.3		0.0 0.00 1.3		0.0 0.00 1.3		UNKNOWN	
PCINT	ALPHA	BETA	LNFB	CH3	CB3	XCPE3	YCPE3	CNF4	CH4	CB4	XCPE4	YCPE4
1	-5.91	0.01	0.0666	5.9999	0.0044	5.9999	0.0056	-1.0341	-0.0095	-0.4207	0.0090	0.4068
2	-5.90	0.00	0.0650	5.9999	0.0027	5.9999	0.0042	-1.0343	-0.0087	-0.4213	0.0084	0.4073
3	-5.90	0.00	0.0550	5.9999	0.0005	5.9999	0.0035	-1.0515	-0.0077	-0.4277	0.0073	0.4087
4	-5.90	0.00	0.0733	5.9999	0.0062	5.9999	0.0050	-1.0135	-0.0107	-0.4110	0.0106	0.4055
5	-5.91	0.00	0.0700	5.9999	0.0040	5.9999	0.0050	-1.0470	-0.0085	-0.4240	0.0080	0.4073
6	-5.90	0.01	0.0656	5.9999	0.0032	5.9999	0.0030	-1.0333	-0.0094	-0.4203	0.0091	0.4066
7	-5.90	0.00	0.0645	5.9999	0.0022	5.9999	0.0034	-1.0314	-0.0090	-0.4199	0.0087	0.4065
8	-5.71	0.01	0.0759	5.9999	0.0055	5.9999	0.0149	-1.0097	-0.0105	-0.4102	0.0104	0.4062
9	-3.85	0.01	0.1171	5.9999	0.0267	5.9999	0.2261	-3.9999	-0.0101	-0.4068	0.0101	0.4068
10	-2.22	0.01	0.0454	5.9999	-0.0017	5.9999	-0.0376	-1.3260	0.0006	-0.5425	-0.0005	0.4091
11	-0.45	0.00	0.0554	5.9999	0.0026	5.9999	0.0472	-1.3455	-0.0013	-0.5508	0.0010	0.4093
12	1.31	0.01	0.0406	5.9999	-0.0006	5.9999	-0.0197	-1.2920	-0.0100	-0.5290	0.0077	0.4092
13	3.17	0.01	0.0474	5.9999	0.0025	5.9999	0.0529	-1.2438	-0.0135	-0.5048	0.0145	0.4058
14	4.88	0.01	0.0356	5.9999	-0.0003	5.9999	-0.0076	-1.1737	-0.0228	-0.4736	0.0155	0.4036
15	6.70	0.01	0.0357	5.9999	-0.0011	5.9999	-0.0276	-1.1254	-0.0299	-0.4545	0.0266	0.4042
16	8.40	0.01	0.0306	5.9999	-0.0042	5.9999	-0.1366	-1.0400	-0.0317	-0.4412	0.0305	0.4240
17	10.27	0.01	0.0276	5.9999	-0.0055	5.9999	-0.2145	-0.9127	-0.0332	-0.3670	0.0385	0.4240
18	12.11	0.01	0.0166	5.9999	-0.0056	5.9999	-0.3229	-0.8202	-0.0253	-0.3502	0.0309	0.4270
19	13.95	0.01	0.0322	5.9999	-0.0075	5.9999	-0.2401	-0.8971	-0.0220	-0.2556	0.0328	0.4240
20	15.64	0.00	0.0350	5.9999	-0.0074	5.9999	-0.2032	-0.9506	-0.0183	-0.2336	0.0333	0.4242
21	17.76	0.01	0.0365	5.9999	-0.0103	5.9999	-0.2800	-0.9257	-0.0115	-0.1729	0.0269	0.4033
22	19.63	0.01	0.0314	5.9999	-0.0118	5.9999	-0.3170	-0.8957	-0.0010	-0.1133	0.0034	0.3831
23	21.56	0.02	0.0341	5.9999	-0.0085	5.9999	-0.2161	-0.9956	0.0096	-0.0645	-0.0452	0.3317
24	23.52	0.01	0.0375	5.9999	-0.0082	5.9999	-0.2171	-0.9474	0.0184	-0.0192	-0.1892	0.1965
25	25.46	0.03	0.0554	5.9999	-0.0017	5.9999	0.0306	-0.9276	0.0284	0.0147	-1.0295	-0.5307
26	27.50	0.06	0.0427	5.9999	0.0184	5.9999	0.1903	0.0299	0.0377	0.0431	1.2582	1.4394
27	29.07	0.07	0.0715	5.9999	0.0075	5.9999	0.1104	0.0515	0.0408	0.0515	0.7507	0.9993
28	26.45	0.07	0.0606	5.9999	0.0110	5.9999	0.1367	0.0590	0.0414	0.0537	0.7016	0.9453
29	28.81	0.05	0.0665	5.9999	0.0143	5.9999	0.1649	0.0809	0.0445	0.0650	0.5456	0.8033
30	29.15	0.06	0.0766	5.9999	0.0096	5.9999	0.1259	0.0990	0.0432	0.0707	0.4775	0.7474
31	29.42	0.06	0.0866	5.9999	0.0135	5.9999	0.1554	0.1130	0.0471	0.0792	0.4165	0.7011
32	29.73	0.06	0.0912	5.9999	0.0140	5.9999	0.1531	0.1185	0.0499	0.0826	0.4208	0.6573
33	30.02	0.07	0.0845	5.9999	0.0121	5.9999	0.1438	0.1139	0.0454	0.1036	0.2650	0.6065
34	30.31	0.06	0.0935	5.9999	0.0144	5.9999	0.1536	0.1952	0.0332	0.1150	0.2725	0.5891
35	30.58	0.07	0.0761	5.9999	0.0071	5.9999	0.0913	0.2057	0.0525	0.1195	0.2551	0.5809
36	30.84	0.07	0.0892	5.9999	0.0115	5.9999	0.1295	0.2083	0.0522	0.1194	0.2565	0.5756
37	31.13	0.07	0.0801	5.9999	0.0114	5.9999	0.1300	0.2204	0.0542	0.1269	0.2458	0.5759
38	31.39	0.06	0.0893	5.9999	0.0118	5.9999	0.1327	0.2431	0.0554	0.1371	0.2278	0.5638
39	31.63	0.08	0.0846	5.9999	0.0105	5.9999	0.1291	0.2235	0.0556	0.1258	0.2491	0.5759
40	31.95	0.07	0.0856	5.9999	0.0157	5.9999	0.1635	0.2509	0.0564	0.1455	0.2194	0.5678
41	32.23	0.07	0.0960	5.9999	0.0176	5.9999	0.1793	0.2498	0.0584	0.1442	0.2337	0.5772
42	32.50	0.06	0.0865	5.9999	0.0130	5.9999	0.1349	0.2795	0.0574	0.1484	0.2071	0.5670
43	32.75	0.07	0.0879	5.9999	0.0162	5.9999	0.1657	0.2701	0.0589	0.1549	0.2180	0.5735
44	33.02	0.03	0.0740	5.9999	0.0045	5.9999	0.1279	0.3207	0.0570	0.1773	0.1777	0.5525
45	33.26	0.03	0.0766	5.9999	0.0111	5.9999	0.1452	0.3219	0.0573	0.1777	0.1780	0.5521
46	33.53	0.03	0.0800	5.9999	0.0143	5.9999	0.1703	0.3429	0.0590	0.1877	0.1720	0.5473

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACF	RX10-E	PHI	CNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	116	1.00	1.7	0.0	0.10013	C.C	0	-30	0	-30	UNKNOWN	
FLINT	ALPHA	BETA	CNF3	CH3	CH3	YCPF3	YCPF3	LN4	LN4	CH4	ACPF4	YCPF4
47	33.78	0.02	0.0056	5.9999	0.0085	5.9999	0.1302	0.3286	0.0559	0.1840	0.1822	0.5598
48	34.03	0.01	0.0045	5.9999	0.0081	5.9999	0.1262	0.3039	0.0011	0.1989	0.1675	0.5466
49	34.27	0.02	0.0011	5.9999	0.0078	5.9999	0.1250	0.3051	0.0024	0.2079	0.1620	0.5397
50	34.54	0.03	0.0000	5.9999	0.0105	5.9999	0.1044	0.4120	0.0024	0.2208	0.1514	0.5360
51	34.78	0.05	0.0010	5.9999	0.0085	5.9999	0.1400	0.4166	0.0038	0.2236	0.1531	0.5368
52	35.03	0.03	0.0056	5.9999	0.0035	5.9999	0.0705	0.4292	0.0025	0.2304	0.1458	0.5365
53	35.29	0.03	0.0005	5.9999	0.0044	5.9999	0.0867	0.4364	0.0040	0.2350	0.1466	0.5364
54	35.53	0.04	0.0020	5.9999	0.0057	5.9999	0.1572	0.4340	0.0047	0.2438	0.1425	0.5370
55	35.75	0.06	0.0042	5.9999	0.0081	5.9999	0.1129	0.4641	0.0048	0.2477	0.1396	0.5337
56	36.02	0.05	0.0064	5.9999	0.0124	5.9999	0.1001	0.4607	0.0060	0.2490	0.1423	0.5376
57	36.25	0.06	0.0078	5.9999	0.0173	5.9999	0.2267	0.4827	0.0065	0.2591	0.1377	0.5366
58	36.47	0.08	0.0040	5.9999	0.0125	5.9999	0.2010	0.4826	0.0067	0.2579	0.1382	0.5343
59	36.72	0.05	0.0085	5.9999	0.0145	5.9999	0.2171	0.4810	0.0075	0.2588	0.1403	0.5375
60	36.97	0.05	0.0063	5.9999	0.0136	5.9999	0.2046	0.4960	0.0089	0.2678	0.1385	0.5400
61	37.20	0.05	0.0015	5.9999	0.0115	5.9999	0.1867	0.5151	0.0091	0.2774	0.1342	0.5386
62	37.44	0.06	0.0010	5.9999	0.0121	5.9999	0.1967	0.5099	0.0094	0.2741	0.1361	0.5376
63	37.68	0.06	0.0065	5.9999	0.0145	5.9999	0.2171	0.5413	0.0096	0.2892	0.1304	0.5342
64	37.90	0.06	0.0007	5.9999	0.0066	5.9999	0.1340	0.5307	0.0096	0.2865	0.1311	0.5325
65	38.14	0.04	0.0056	5.9999	0.0078	5.9999	0.1537	0.5368	0.0095	0.2862	0.1313	0.5331
66	38.38	0.06	0.0018	5.9999	0.0131	5.9999	0.2114	0.5019	0.0090	0.2947	0.1281	0.5334
67	38.60	0.05	0.0007	5.9999	0.0127	5.9999	0.2080	0.5500	0.0099	0.2945	0.1326	0.5355
68	38.84	0.04	0.0044	5.9999	0.0053	5.9999	0.1206	0.5520	0.0096	0.2966	0.1352	0.5373
69	39.08	0.04	0.0055	5.9999	0.0132	5.9999	0.2212	0.5544	0.0095	0.2971	0.1351	0.5359
70	39.27	0.05	0.0017	5.9999	0.0101	5.9999	0.1960	0.5479	0.0088	0.2934	0.1402	0.5355
71	39.50	0.05	0.0026	5.9999	0.0107	5.9999	0.2033	0.5544	0.0078	0.2966	0.1404	0.5350
72	39.72	0.05	0.0016	5.9999	0.0104	5.9999	0.2022	0.5403	0.0090	0.2932	0.1446	0.5367
73	39.93	0.04	0.0027	5.9999	0.0110	5.9999	0.2094	0.5397	0.0095	0.2904	0.1473	0.5381
74	40.15	0.04	0.0029	5.9999	0.0053	5.9999	0.1764	0.5247	0.0082	0.2836	0.1567	0.5404
75	40.36	0.04	0.0051	5.9999	0.0111	5.9999	0.2025	0.5404	0.0080	0.2899	0.1499	0.5364
76	40.55	0.04	0.0035	5.9999	0.0106	5.9999	0.2010	0.5325	0.0086	0.2850	0.1589	0.5352
77	40.76	0.05	0.0005	5.9999	0.0097	5.9999	0.1927	0.5363	0.0085	0.2868	0.1576	0.5367
78	41.00	0.04	0.0016	5.9999	0.0104	5.9999	0.2022	0.5404	0.0088	0.2907	0.1552	0.5320
79	41.23	0.03	0.0071	5.9999	0.0143	5.9999	0.2499	0.5497	0.0082	0.2913	0.1565	0.5295
80	41.42	0.05	0.0067	5.9999	0.0110	5.9999	0.2094	0.5694	0.0086	0.3005	0.1486	0.5285
81	41.68	0.02	0.0038	5.9999	0.0082	5.9999	0.1876	0.5620	0.0085	0.3045	0.1452	0.5233
82	41.89	0.02	0.0054	5.9999	0.0100	5.9999	0.2031	0.5607	0.0070	0.2958	0.1538	0.5229
83	42.07	0.04	0.0018	5.9999	0.0180	5.9999	0.2594	0.5889	0.0082	0.3037	0.1484	0.5190
84	42.27	0.04	0.0042	5.9999	0.0148	5.9999	0.2091	0.5700	0.0071	0.2942	0.1528	0.5161
85	42.47	0.03	0.0005	5.9999	0.0165	5.9999	0.2724	0.5919	0.0087	0.3039	0.1465	0.5135
86	42.65	0.03	0.0025	5.9999	0.0132	5.9999	0.2503	0.6145	0.0086	0.3168	0.1393	0.5156
87	42.85	0.04	0.0003	5.9999	0.0171	5.9999	0.2333	0.6015	0.0085	0.3081	0.1428	0.5121
88	43.03	0.02	0.0014	5.9999	0.0104	5.9999	0.2520	0.6030	0.0080	0.3083	0.1443	0.5112
89	43.21	0.02	0.0081	5.9999	0.0058	5.9999	0.1999	0.6199	0.0088	0.3189	0.1397	0.5112
90	43.38	0.01	0.0023	5.9999	0.0167	5.9999	0.3184	0.5962	0.0086	0.3039	0.1436	0.5098
91	43.57	0.03	0.0046	5.9999	0.0127	5.9999	0.2834	0.6079	0.0086	0.3102	0.1405	0.5103
92	43.78	0.03	0.0036	5.9999	0.0156	5.9999	0.2901	0.6228	0.0082	0.3181	0.1368	0.5108

PAGE 3 OF 3
SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART WACF R110-2				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 110 1.00 1.7				0.0	0.10013	0.0	0	-30	0	-30	UNKNOWN	
FLINT	ALPHA	BETA	CNF 3	Cnf3	Cnf3	XCPF3	YCPF3	CNF4	Cnf4	Cnf4	XCPF4	YCPF4
93	43.95	0.04	0.0412	0.0412	0.0412	0.0412	0.0412	0.0412	0.0412	0.0412	0.0412	0.0412
94	44.12	0.03	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342	0.0342
95	44.32	0.02	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375
96	44.44	0.03	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375
97	44.67	0.02	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532
98	44.88	0.01	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463
99	45.05	0.01	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455
100	45.24	0.03	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474
101	45.41	0.01	0.0278	0.0278	0.0278	0.0278	0.0278	0.0278	0.0278	0.0278	0.0278	0.0278
102	45.61	0.01	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416
103	45.79	0.00	0.0508	0.0508	0.0508	0.0508	0.0508	0.0508	0.0508	0.0508	0.0508	0.0508
104	45.98	0.00	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411
105	46.15	0.00	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327	0.0327
106	46.32	-0.01	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254	0.0254
107	46.51	-0.02	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166
108	46.69	-0.01	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252
109	46.83	0.02	0.0267	0.0267	0.0267	0.0267	0.0267	0.0267	0.0267	0.0267	0.0267	0.0267
110	47.03	0.00	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
111	47.21	-0.00	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165
112	47.37	-0.01	0.0144	0.0144	0.0144	0.0144	0.0144	0.0144	0.0144	0.0144	0.0144	0.0144
113	47.53	0.02	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247
114	47.74	0.03	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186
115	47.93	-0.00	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058
116	48.10	0.03	0.0274	0.0274	0.0274	0.0274	0.0274	0.0274	0.0274	0.0274	0.0274	0.0274
117	48.26	0.02	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
118	48.47	0.04	0.0403	0.0403	0.0403	0.0403	0.0403	0.0403	0.0403	0.0403	0.0403	0.0403
119	48.64	0.07	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355
120	48.77	0.05	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463
121	49.00	0.00	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273	0.0273
122	49.16	0.00	0.0432	0.0432	0.0432	0.0432	0.0432	0.0432	0.0432	0.0432	0.0432	0.0432
123	49.30	0.05	0.0284	0.0284	0.0284	0.0284	0.0284	0.0284	0.0284	0.0284	0.0284	0.0284
124	49.51	0.04	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404
125	49.65	0.05	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316
126	49.87	0.05	0.0370	0.0370	0.0370	0.0370	0.0370	0.0370	0.0370	0.0370	0.0370	0.0370
127	50.07	0.02	0.0164	0.0164	0.0164	0.0164	0.0164	0.0164	0.0164	0.0164	0.0164	0.0164
128	50.26	0.03	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140
129	50.40	0.01	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143
130	50.55	0.01	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130
131	50.76	0.04	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365
132	50.92	0.01	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227
133	51.08	-0.00	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130
134	51.26	0.02	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140
135	51.41	0.02	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155
136	51.55	0.01	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057
137	51.72	0.02	0.0271	0.0271	0.0271	0.0271	0.0271	0.0271	0.0271	0.0271	0.0271	0.0271
138	51.90	0.02	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 6 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF AXIC-E				PHI CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 116 1.00 1.7				C.C. 016CF13		0.0		U	-30	U	-30	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CNF3	CNF3	XCPF3	YCPF3	CNF4	CNF4	CNF4	CNF4	XCPF4	YCPF4
139	52.05	-0.01	0.0235	5.5555	0.0114	5.5559	0.4785	0.6926	0.0721	0.3291	0.1041	0.4752	
140	52.21	-0.00	0.0154	5.5555	0.0106	5.5554	0.5481	0.6851	0.0714	0.3238	0.1045	0.4727	
141	52.38	-0.00	0.0141	5.5555	0.0074	5.5556	0.5265	0.6735	0.0714	0.3186	0.1060	0.4730	
142	52.54	0.02	0.0365	5.5555	0.0186	5.5554	0.4888	0.6749	0.0708	0.3165	0.1045	0.4689	
143	52.74	0.00	0.0162	5.5555	0.0096	5.5559	0.5545	0.6724	0.0708	0.3167	0.1053	0.4710	
144	52.89	-0.02	0.0115	5.5555	0.0104	5.5559	0.5395	0.6496	0.0676	0.3035	0.1044	0.4673	
145	53.04	-0.02	0.0058	5.5555	0.0046	5.5559	0.4709	0.6627	0.0683	0.3085	0.1031	0.4661	
146	53.22	-0.03	0.0162	5.5555	0.0053	5.5554	0.5759	0.6580	0.0672	0.3048	0.1021	0.4633	
147	53.38	-0.00	0.0130	5.5555	0.0076	5.5555	0.5711	0.6482	0.0667	0.3012	0.1024	0.4647	
148	53.54	-0.02	0.0047	5.5555	0.0055	5.5555	0.5088	0.6335	0.0653	0.2920	0.1031	0.4609	
149	53.71	0.00	0.0130	5.5555	0.0065	5.5559	0.5016	0.6837	0.0646	0.3145	0.0945	0.4606	
150	53.88	-0.04	0.0164	5.5555	0.0097	5.5559	0.5269	0.6833	0.0656	0.3143	0.0960	0.4595	
151	54.04	-0.01	0.0076	5.5555	0.0039	5.5559	0.5148	0.6799	0.0647	0.3141	0.0951	0.4615	
152	54.18	0.01	0.0152	5.5555	0.0084	5.5559	0.5544	0.7002	0.0643	0.3218	0.0918	0.4596	
153	54.36	-0.02	0.0165	5.5555	0.0105	5.5559	0.5608	0.6885	0.0641	0.3166	0.0931	0.4555	
154	54.50	0.01	0.0163	5.5555	0.0090	5.5554	0.5534	0.7044	0.0622	0.3261	0.0877	0.4597	
155	54.65	-0.00	0.0086	5.5555	0.0054	5.5559	0.6299	0.7118	0.0625	0.3275	0.0878	0.4601	
156	54.81	-0.02	0.0162	5.5555	0.0056	5.5559	0.5945	0.6840	0.0625	0.3165	0.0907	0.4593	
157	54.98	-0.01	0.0054	5.5555	0.0032	5.5559	0.7060	0.6484	0.0521	0.3010	0.0803	0.4643	
158	55.11	-0.03	0.0075	5.5555	0.0051	5.5559	0.6822	0.6678	0.0608	0.3070	0.0910	0.4596	
159	55.28	-0.02	0.0228	5.5555	0.0124	5.5555	0.5912	0.6903	0.0613	0.3168	0.0888	0.4589	
160	55.43	-0.02	0.0115	5.5555	0.0076	5.5554	0.6407	0.6832	0.0606	0.3145	0.0878	0.4603	
161	55.57	0.00	0.0058	5.5555	0.0058	5.5559	0.5937	0.6740	0.0598	0.3094	0.0887	0.4590	

PAGE 1 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH NO. 10-8 7 117 1.10 1.7				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
				U.C	BAROF13	U.C	U	-30	U	-30	UNKNOWN
FCIAT	ALPHA	BETA	CN	CLM	CY	CLL	CLL	CA	CAB	CAF	MCP
1	-5.80	0.02	-2.5440	10.3905	0.0542	-0.2308	0.0106	1.7436	0.3965	1.3471	-3.9665
2	-5.81	0.02	-2.5757	10.1415	-0.0055	-0.1611	0.0104	1.7507	0.3973	1.3534	-3.6375
3	-5.89	0.01	-2.5873	10.1510	0.0273	-0.1211	0.0156	1.7537	0.3952	1.3565	-3.5233
4	-4.35	0.02	-2.4461	10.1765	0.0067	-0.2145	0.0220	1.7475	0.3825	1.3650	-4.1706
5	-2.63	0.02	-2.2753	9.5815	0.0414	-0.0777	0.0165	1.7246	0.3846	1.3398	-4.3869
6	-0.83	0.03	-2.0000	9.7381	0.1372	-0.1500	0.0251	1.6998	0.3847	1.3151	-4.7131
7	0.73	0.03	-1.5125	9.3605	0.0526	-0.1036	0.0125	1.6047	0.3967	1.2740	-4.8844
8	2.78	0.02	-1.0764	8.9584	-0.0515	-0.0546	0.0125	1.6061	0.3934	1.2127	-5.3021
9	4.53	0.02	-1.4540	8.7153	0.0214	-0.0305	0.0134	1.5946	0.3955	1.1989	-5.8363
10	6.35	0.04	-1.1764	8.0243	0.1511	0.0485	0.0060	1.5185	0.3925	1.1230	-6.8054
11	8.17	0.02	-0.8467	7.4058	-0.0001	-0.0113	0.0089	1.4623	0.4021	1.0601	-8.2409
12	9.96	0.04	-0.5501	6.5208	0.0811	-0.0074	0.0145	1.3555	0.4084	0.9471	-12.3017
13	11.84	0.02	-0.1753	5.7558	-0.0547	-0.1140	0.0257	1.2735	0.4054	0.8676	-32.1026
14	13.70	0.01	0.2220	4.9725	-0.1247	-0.1551	0.0315	1.1731	0.4041	0.7650	21.8075
15	15.63	0.03	0.6205	4.1852	-0.0060	0.0683	0.0271	1.0547	0.3968	0.6575	6.7468
16	17.61	0.01	1.0032	3.3764	-0.1413	0.4524	0.0403	0.9389	0.3958	0.5431	3.1172
17	19.52	0.02	1.5317	2.7558	-0.1040	0.3522	0.0367	0.8055	0.3833	0.4226	1.6016
18	21.51	0.03	2.0075	2.0233	-0.0409	0.2352	0.0324	0.7216	0.3831	0.3385	1.2071
19	23.55	0.01	2.4525	2.2085	-0.2085	0.7001	-0.0362	0.6296	0.3499	0.2797	0.6202
20	25.54	0.04	3.2754	2.0875	0.0504	-0.0058	-0.0024	0.5317	0.3406	0.1911	0.6374
21	27.61	0.06	4.0840	1.9451	0.6017	-1.5107	0.1352	0.4631	0.3389	0.1243	0.4763
22	29.35	0.05	4.2240	1.8517	0.4015	-1.3757	0.1215	0.4353	0.3357	0.0997	0.4384
23	28.59	0.07	4.3108	1.7705	0.5510	-1.4175	0.1434	0.4251	0.3295	0.0556	0.4108
24	28.91	0.06	4.4368	1.8203	0.4154	-0.9520	0.1104	0.3870	0.3214	0.0651	0.4103
25	29.26	0.05	4.5578	1.7544	0.3170	-0.6414	0.1004	0.4027	0.3198	0.0829	0.3937
26	29.50	0.06	4.7231	1.8052	0.4308	-0.9353	0.1006	0.3816	0.3191	0.0425	0.3589
27	29.85	0.04	4.8525	1.5455	0.3226	-0.5527	0.1444	0.3417	0.3176	0.0241	0.3193
28	30.16	0.05	5.0263	1.4217	0.5230	-1.3678	0.2266	0.3385	0.3260	0.0105	0.2828
29	30.44	0.06	5.1314	1.3028	0.5505	-1.3798	0.2110	0.3490	0.3291	0.0199	0.2539
30	30.72	0.08	5.3040	1.2045	0.7522	-1.4693	0.2173	0.3203	0.3246	-0.0043	0.2269
31	30.98	0.09	5.2640	1.2001	1.0056	-2.2387	0.2933	0.3326	0.3236	0.0030	0.2271
32	31.28	0.06	5.5237	1.0585	0.6260	-1.2204	0.2340	0.3023	0.3251	-0.0008	0.1917
33	31.54	0.06	5.6623	0.9511	0.5812	-0.7421	0.1688	0.2668	0.3267	-0.0398	0.1658
34	31.84	0.04	5.7657	0.7270	0.4326	-0.6496	0.2180	0.2708	0.3266	-0.0559	0.1608
35	32.10	0.05	5.7775	0.8117	0.4402	-0.7425	0.1965	0.2658	0.3286	-0.0627	0.1381
36	32.37	0.03	5.9623	0.8562	0.2655	-0.5340	0.1645	0.2514	0.3251	-0.0731	0.1401
37	32.66	0.02	6.1080	0.7174	0.1867	-0.3587	0.1427	0.2402	0.3292	-0.0889	0.1174
38	32.91	0.02	6.2611	0.4753	0.4364	-0.6446	0.1476	0.2320	0.3354	-0.1034	0.0757
39	33.17	0.02	6.3655	0.4745	0.2162	0.0785	0.1529	0.2238	0.3317	-0.1079	0.0745
40	33.44	0.01	6.4788	0.3364	0.0400	0.4570	0.1035	0.2151	0.3360	-0.1209	0.0519
41	33.70	0.01	6.6350	0.1856	0.0881	0.2555	0.1354	0.1951	0.3370	-0.1419	0.0280
42	33.90	0.00	6.7640	0.0047	0.0233	0.5575	0.1735	0.1909	0.3360	-0.1491	0.0007
43	34.20	0.01	6.8425	0.0122	0.1333	0.2412	0.2075	0.1833	0.3419	-0.1586	0.0018
44	34.45	0.02	6.9365	-0.1247	0.2650	-0.0674	0.2307	0.1671	0.3415	-0.1748	-0.0180
45	34.73	0.03	7.0577	-0.2461	0.3027	-0.2262	0.2201	0.1420	0.3371	-0.1951	-0.0347
46	34.97	0.01	7.2777	-0.3172	0.1720	-0.0557	0.2326	0.1431	0.3434	-0.2008	-0.0711

PAGE 1 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 10-6											
7 117 1.10 1.7											
C.C. B10P13 C.C. U -30 U -30 UNKNOWN											
FLINT	ALPHA	BETA	CN	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP
47	35.20	0.01	7.3788	-0.5158	0.0834	0.3837	0.1974	0.1188	0.3405	-0.2217	-0.0699
48	35.46	0.02	7.4300	-0.5812	0.2020	-0.1320	0.2309	0.1058	0.3401	-0.2303	-0.0782
49	35.70	0.02	7.5458	-0.7618	0.2868	-0.1070	0.2478	0.1122	0.3377	-0.2255	-0.1009
50	35.94	0.03	7.7414	-0.7415	0.3555	-0.1024	0.2054	0.0907	0.3408	-0.2300	-0.0958
51	36.20	0.02	7.8409	-0.8752	0.2132	0.0113	0.2216	0.0850	0.3425	-0.2574	-0.1115
52	36.43	0.03	7.8871	-0.9800	0.2121	0.0505	0.2047	0.0817	0.3432	-0.2614	-0.1251
53	36.65	0.02	7.9657	-1.0482	0.2653	-0.0857	0.2222	0.0873	0.3321	-0.2647	-0.1313
54	36.90	0.02	8.1277	-1.1174	0.1843	0.1148	0.2382	0.0504	0.3300	-0.2735	-0.1375
55	37.18	0.03	8.2440	-1.1775	0.2285	0.0917	0.2178	0.0502	0.3363	-0.2860	-0.1428
56	37.37	0.02	8.3836	-1.4384	0.2131	0.0698	0.2183	0.0300	0.3304	-0.3004	-0.1720
57	37.63	0.02	8.3928	-1.2852	0.1880	0.1882	0.2020	0.0398	0.3245	-0.2846	-0.1536
58	37.87	0.02	8.5761	-1.4774	0.1177	-0.0242	0.2249	0.0138	0.3270	-0.3152	-0.1723
59	38.09	0.02	8.5765	-1.4856	0.1351	-0.0383	0.1725	-0.0008	0.3157	-0.3205	-0.1715
60	38.33	0.02	8.6600	-1.5413	0.1150	0.1020	0.1480	-0.0049	0.3221	-0.3270	-0.1776
61	38.59	0.02	8.8310	-1.5550	0.1528	-0.0630	0.1076	-0.0306	0.3141	-0.3447	-0.1811
62	38.83	0.03	8.9100	-1.6065	0.2675	-0.0879	0.1508	-0.0431	0.3055	-0.3526	-0.1851
63	39.09	-0.00	8.9587	-1.7651	-0.1043	0.4531	-0.1000	-0.0472	0.3152	-0.3624	-0.1558
64	39.35	0.02	9.0164	-1.8000	0.1156	0.1637	0.1887	-0.0260	0.3075	-0.3335	-0.2092
65	39.57	0.01	9.2285	-1.9421	0.0383	-0.0523	0.1197	-0.0605	0.3033	-0.3718	-0.2104
66	39.79	0.02	9.2580	-2.0187	0.1087	0.0943	0.1405	-0.0714	0.3135	-0.3809	-0.2180
67	40.00	0.01	9.2685	-2.0301	0.0636	-0.0291	0.1304	-0.0815	0.3062	-0.3817	-0.2208
68	40.20	0.01	9.4105	-2.1030	0.0454	0.0740	0.1143	-0.0704	0.2994	-0.3763	-0.2297
69	40.44	0.02	9.6255	-2.3900	0.1535	-0.1587	0.0670	-0.1110	0.2972	-0.4109	-0.2482
70	40.65	0.02	9.6804	-2.3952	0.1731	-0.1207	0.0888	-0.1208	0.2900	-0.4195	-0.2473
71	40.84	0.03	9.7009	-2.4656	0.2538	-0.2140	0.0672	-0.1187	0.2943	-0.4129	-0.2546
72	41.07	0.01	9.8402	-2.6316	0.0683	-0.1157	0.0510	-0.1359	0.2978	-0.4316	-0.2659
73	41.26	0.01	9.9510	-2.7578	-0.0073	0.3743	0.1308	-0.1432	0.2935	-0.4416	-0.2771
74	41.46	0.02	9.9405	-2.8137	0.1233	0.2530	0.0988	-0.1191	0.2450	-0.4140	-0.2635
75	41.68	0.01	9.9598	-2.7575	0.0707	0.1103	0.0868	-0.1382	0.2568	-0.4325	-0.2758
76	41.88	0.01	10.1070	-2.9021	0.0822	0.1693	0.0840	-0.1640	0.2457	-0.4556	-0.2849
77	42.09	0.00	10.2674	-2.9678	-0.0421	0.5521	0.0860	-0.1832	0.3013	-0.4644	-0.2885
78	42.30	-0.01	10.4033	-3.0444	-0.2138	0.5800	0.0633	-0.1838	0.2995	-0.4833	-0.2974
79	42.51	-0.01	10.4650	-3.1155	-0.1325	0.6097	0.0632	-0.1556	0.2992	-0.4548	-0.2979
80	42.70	-0.01	10.5905	-3.2715	-0.1488	0.7400	0.0631	-0.1532	0.3037	-0.4464	-0.3087
81	42.88	-0.02	10.7354	-3.3773	-0.2654	0.9084	0.0627	-0.2017	0.3075	-0.5093	-0.3176
82	43.07	0.01	10.7554	-3.5112	-0.0544	1.1420	0.0763	-0.2243	0.3114	-0.5357	-0.3265
83	43.26	-0.02	10.8241	-3.6004	-0.1485	0.3250	0.0585	-0.2260	0.3072	-0.5332	-0.3141
84	43.42	-0.02	10.8675	-3.4231	-0.2033	0.7909	0.0677	-0.2208	0.3090	-0.5304	-0.3167
85	43.60	0.00	10.9548	-3.5155	-0.1066	0.9058	0.0620	-0.2242	0.3214	-0.5456	-0.3213
86	43.79	-0.02	11.0007	-3.5150	-0.3046	0.5998	0.0530	-0.2401	0.2477	-0.5378	-0.3194
87	43.98	-0.01	11.0724	-3.5668	-0.1634	0.6797	0.0472	-0.2448	0.2984	-0.5432	-0.3221
88	44.12	0.02	11.1219	-3.5975	-0.0760	0.1344	0.0439	-0.2620	0.2955	-0.5575	-0.3235
89	44.32	-0.00	11.1909	-3.5992	-0.1182	0.4814	0.0429	-0.2487	0.3053	-0.5540	-0.3218
90	44.51	-0.05	11.3105	-3.6053	0.0227	0.5890	0.0247	-0.2551	0.3088	-0.5639	-0.3362
91	44.70	-0.02	11.3008	-3.8248	-0.0831	0.4500	0.0434	-0.2792	0.2957	-0.5749	-0.3367
92	44.89	-0.01	11.4909	-3.9513	-0.0695	0.4934	0.0381	-0.2807	0.2942	-0.5749	-0.3439

PAGE 1 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACF	MACF-6	PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		117	1.10	1.7	0.0	0.0	0	-30	0	-30	UNKNOWN
FLINT	ALPHA	BETA	CN	CLM	LY	CLN	CLL	CA	CAB	CAF	XCP
93	45.08	-0.03	11.5243	-3.9656	-0.1513	0.0147	0.0507	-0.2927	0.2890	-0.5817	-0.3441
94	45.26	-0.01	11.6311	-4.0745	-0.0450	0.0120	0.0223	-0.2861	0.2926	-0.5767	-0.3503
95	45.45	-0.01	11.7077	-4.1054	-0.0146	0.0002	0.0480	-0.3051	0.2975	-0.6025	-0.3507
96	45.61	-0.01	11.7252	-4.1713	-0.0010	0.0049	0.0421	-0.3067	0.2948	-0.6014	-0.3558
97	45.81	-0.01	11.8456	-4.1675	-0.0047	0.0206	0.0253	-0.3066	0.2957	-0.6022	-0.3534
98	46.00	-0.03	11.9363	-4.2024	-0.0070	0.0223	-0.0157	-0.3039	0.2962	-0.6015	-0.3520
99	46.18	-0.03	11.9663	-4.3446	-0.3752	1.4595	-0.0282	-0.3104	0.3038	-0.6141	-0.3625
100	46.33	-0.03	11.9979	-4.1157	-0.2403	0.7340	0.0070	-0.3013	0.2947	-0.5955	-0.3430
101	46.51	-0.01	12.0150	-4.1324	-0.1504	0.6490	0.0007	-0.2961	0.2989	-0.5945	-0.3438
102	46.68	-0.02	12.0374	-4.1442	-0.2577	1.2420	-0.0035	-0.2741	0.3041	-0.5762	-0.3443
103	46.86	-0.01	12.1708	-4.2208	-0.0746	0.6172	0.0023	-0.3108	0.2985	-0.6092	-0.3468
104	47.02	-0.02	12.2261	-4.0265	-0.2230	1.0059	-0.0312	-0.2906	0.3049	-0.5956	-0.3294
105	47.21	-0.03	12.2447	-4.0256	-0.2511	0.9774	-0.0356	-0.2691	0.3076	-0.5967	-0.3274
106	47.39	-0.03	12.2824	-3.8067	-0.2474	1.2638	-0.0229	-0.2540	0.3212	-0.5760	-0.3059
107	47.55	-0.03	12.3305	-3.7464	-0.2264	1.0026	-0.0517	-0.2456	0.3209	-0.5667	-0.3041
108	47.71	-0.03	12.3447	-3.8128	-0.2120	0.8445	-0.0402	-0.2564	0.3244	-0.5868	-0.3088
109	47.90	-0.03	12.4440	-3.7306	-0.1972	0.8601	-0.0400	-0.2615	0.3202	-0.5817	-0.2998
110	48.08	-0.04	12.4763	-3.8029	-0.1604	0.8636	-0.0347	-0.2645	0.3191	-0.5836	-0.3070
111	48.25	-0.01	12.6606	-4.2788	-0.0165	0.6321	-0.0357	-0.2921	0.3233	-0.6153	-0.3378
112	48.43	-0.01	12.9193	-4.7654	0.0075	0.2115	0.0063	-0.2681	0.3384	-0.6065	-0.3689
113	48.61	-0.01	12.9410	-4.9391	0.0585	0.1536	0.0165	-0.2664	0.3530	-0.6354	-0.3817
114	48.76	-0.04	13.0175	-4.8057	0.0071	0.0374	0.0062	-0.2254	0.3744	-0.5956	-0.3741
115	48.96	-0.01	13.1642	-5.1874	0.1296	-0.0861	0.0132	-0.2939	0.3695	-0.6633	-0.3941
116	49.12	-0.01	13.0191	-4.2450	0.1326	0.4196	0.0443	-0.2260	0.3621	-0.6061	-0.3302
117	49.28	-0.00	13.0897	-4.2018	0.1246	0.4475	0.0347	-0.2241	0.3680	-0.6121	-0.3215
118	49.43	-0.01	13.0554	-4.2362	0.1225	0.4418	0.0490	-0.2209	0.3894	-0.6183	-0.3234
119	49.62	-0.01	13.0055	-4.0337	0.0601	0.6032	0.0464	-0.2191	0.3873	-0.6064	-0.3085
120	49.79	-0.01	13.0028	-3.5040	0.0343	0.5124	0.0482	-0.2112	0.3684	-0.5956	-0.2695
121	49.96	0.00	13.0353	-3.0236	0.0275	0.7777	0.0405	-0.2006	0.3943	-0.6029	-0.2775
122	50.10	-0.01	13.1040	-3.0751	0.1235	0.5344	0.0603	-0.2141	0.3982	-0.6123	-0.2942
123	50.33	0.01	13.2224	-3.8178	0.2755	0.9846	0.0335	-0.2127	0.4041	-0.6168	-0.2867
124	50.49	0.01	13.3152	-3.5672	0.2622	0.8513	0.0343	-0.2122	0.4041	-0.6165	-0.2979
125	50.66	0.00	13.3651	-3.7405	0.2236	1.1094	0.0045	-0.2006	0.4101	-0.6187	-0.2832
126	50.86	0.03	13.3754	-3.6674	0.2361	1.0060	0.0374	-0.2028	0.4054	-0.6122	-0.2741
127	51.02	0.04	13.4140	-3.7707	0.1267	1.0245	0.0700	-0.1978	0.4115	-0.6093	-0.2811
128	51.15	0.03	13.3843	-3.8521	0.3000	1.0103	0.0047	-0.2124	0.4094	-0.6218	-0.2878
129	49.87	0.01	13.0541	-4.7876	0.2265	0.2834	0.0495	-0.2418	0.3929	-0.6347	-0.3641
130	48.69	-0.03	12.3025	-4.0711	-0.2042	1.1750	-0.0320	-0.2601	0.3417	-0.6076	-0.3288

PAGE 2 OF 3
SHEET 1 OF 3

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH XXIC-6												
7 117 1.10 1.7			PHI CNF		L		CELL DEL2		CELL3		CELL4 TRANSITION	
			U.C. BINGF13		C.C		0 -30		0 -30		UNKNOWN	
PLINT	ALPHA	BETA	CNF1	LM1	LB1	ALPF1	YLPF1	CNF2	GM2	Co2	XCPF2	YCPF2
1	-5.20	0.02	0.0130	0.0096	0.0150	0.7389	1.1696	-1.3907	0.0128	-0.6374	-0.0092	0.4583
2	-5.21	0.02	0.0135	0.0096	0.0152	0.6910	1.1187	-1.3929	0.0128	-0.6381	-0.0092	0.4581
3	-5.29	0.01	0.0034	0.0084	0.0118	2.4719	3.4817	-1.3840	0.0121	-0.6353	-0.0088	0.4590
4	-4.35	0.02	0.0153	0.0092	0.0140	0.6010	0.9114	-1.3848	0.0124	-0.6412	-0.0090	0.4631
5	-4.23	0.02	0.0165	0.0088	0.0125	0.5330	0.7762	-1.3377	0.0123	-0.6333	-0.0092	0.4734
6	-4.83	0.03	0.0175	0.0080	0.0132	0.4974	0.7510	-1.2735	0.0082	-0.6174	-0.0064	0.4847
7	0.43	0.03	0.0158	0.0078	0.0121	0.3541	0.6131	-1.2164	0.0039	-0.5876	-0.0032	0.4831
8	2.70	0.02	0.0144	0.0071	0.0082	0.4533	0.5713	-1.1342	-0.0014	-0.5553	0.0012	0.4896
9	4.53	0.02	0.0086	0.0050	0.0070	0.5817	0.8106	-1.1241	-0.0047	-0.5670	0.0042	0.5064
10	6.35	0.04	-0.0048	0.0040	0.0060	-0.6336	-1.6720	-0.9502	-0.0086	-0.5121	0.0086	0.5140
11	8.17	0.02	-0.0015	0.0047	0.0045	-2.4750	-7.6332	-0.6873	-0.0072	-0.4678	0.0081	0.5272
12	9.90	0.04	-0.0096	0.0052	0.0015	-0.5420	-1.2017	-0.7719	-0.0094	-0.4119	0.0122	0.5336
13	11.64	0.02	0.0145	0.0085	0.0240	0.5865	1.6535	-0.6503	-0.0095	-0.3518	0.0146	0.5411
14	13.70	0.01	-0.0004	0.0067	0.0224	-10.7509	-55.4260	-0.5167	-0.0077	-0.2868	0.0149	0.5530
15	15.03	0.03	0.0008	0.0042	0.0275	-5.2528	-34.8612	-0.3786	-0.0024	-0.2244	0.0063	0.5924
16	17.81	0.01	-0.0054	0.0035	0.0200	-0.4151	-2.9776	-0.2012	0.0031	-0.1606	-0.0124	0.6351
17	19.52	0.02	-0.0108	0.0025	0.0302	-0.2867	-4.7955	-0.1312	0.0106	-0.1048	-0.0809	0.7589
18	21.51	0.03	-0.0405	0.0042	-0.0040	-0.1038	0.0491	-0.0232	0.0226	-0.0494	-0.8473	1.9508
19	23.55	0.01	-0.0534	-0.0075	-0.0162	0.0804	0.1946	-0.0196	0.0339	-0.0258	1.7305	-1.3154
20	25.34	0.04	-0.0288	0.0044	-0.0006	-0.1529	0.0209	0.1505	0.0457	0.0252	0.3034	0.1941
21	27.01	0.08	0.2420	0.0265	0.1125	0.1113	0.4663	0.2493	0.0494	0.0737	0.1980	0.2558
22	28.35	0.05	0.2620	0.0260	0.1020	0.1021	0.4671	0.2481	0.0498	0.0745	0.2006	0.3003
23	28.59	0.07	0.2607	0.0219	0.1307	0.0022	0.5123	0.2532	0.0520	0.0767	0.2052	0.3105
24	28.91	0.06	0.2100	0.0155	0.1134	0.0722	0.5273	0.2364	0.0533	0.0740	0.2254	0.3130
25	29.26	0.05	0.1365	0.0117	0.0788	0.0656	0.5774	0.2472	0.0554	0.0757	0.2240	0.3225
26	29.50	0.06	0.2455	0.0120	0.1320	0.0405	0.5394	0.2551	0.0541	0.0862	0.2120	0.3377
27	29.65	0.04	0.2204	0.0127	0.1156	0.0577	0.5253	0.2706	0.0548	0.0548	0.2024	0.3502
28	30.10	0.05	0.3590	0.0143	0.1043	0.0390	0.5121	0.2729	0.0525	0.0504	0.1923	0.3605
29	30.44	0.06	0.3221	0.0124	0.1087	0.0386	0.5175	0.2661	0.0535	0.1045	0.1869	0.3654
30	30.72	0.08	0.3772	0.0147	0.1855	0.0390	0.5033	0.3091	0.0535	0.1162	0.1730	0.3759
31	30.98	0.09	0.5035	0.0245	0.2411	0.0467	0.4789	0.3150	0.0514	0.1195	0.1636	0.3806
32	31.26	0.06	0.3100	0.0045	0.1094	0.0301	0.5361	0.3191	0.0553	0.1223	0.1732	0.3833
33	31.54	0.06	0.2235	0.0044	0.1237	0.0197	0.5525	0.3167	0.0570	0.1213	0.1799	0.3830
34	31.84	0.04	0.3034	0.0001	0.1044	0.0201	0.5396	0.3212	0.0559	0.1242	0.1740	0.3867
35	32.10	0.05	0.1983	0.0072	0.1157	0.0364	0.5634	0.3428	0.0573	0.1342	0.1671	0.3916
36	32.37	0.03	0.1783	0.0000	0.1014	0.0449	0.5089	0.3647	0.0578	0.1454	0.1584	0.3986
37	32.68	0.02	0.1875	0.0055	0.1008	0.0529	0.5378	0.3747	0.0589	0.1503	0.1518	0.4011
38	32.91	0.03	0.2023	0.0005	0.1168	0.0522	0.5773	0.3802	0.0564	0.1533	0.1463	0.4032
39	33.17	0.02	0.0538	0.0031	0.0704	0.0331	0.7505	0.3867	0.0578	0.1572	0.1454	0.4067
40	33.44	0.01	0.0063	0.0017	0.0583	0.0257	0.8805	0.3975	0.0578	0.1614	0.1454	0.4060
41	33.70	0.01	0.1268	0.0005	0.0937	0.0000	0.7399	0.4020	0.0567	0.1637	0.1410	0.4072
42	33.96	0.00	0.0433	-0.0011	0.0834	-0.0110	0.9100	0.4185	0.0565	0.1711	0.1350	0.4089
43	34.20	0.01	0.1448	0.0015	0.1030	0.0131	0.7293	0.4208	0.0553	0.1730	0.1314	0.4112
44	34.45	0.02	0.2615	0.0061	0.1624	0.0217	0.5769	0.4378	0.0530	0.1800	0.1210	0.4112
45	34.73	0.03	0.2433	0.0065	0.1464	0.0264	0.6017	0.4674	0.0519	0.1956	0.1110	0.4185
46	34.97	0.01	0.2601	0.0062	0.1545	0.0316	0.5956	0.4796	0.0510	0.2013	0.1063	0.4197

PAGE 2 OF 3
SHEET 2 OF 3

PARTIAL PASSILE TAILS EFFECTS DATA

TEST PART		MACH		PHI		CNF		I		CEL1	CEL2	CEL3	CEL4	TRANSITION
1		1.10		1.7		0.0		0.0		0	-30	0	-30	UNKNOWN
POINT	ALPHA	BETA	CNF1	CHI	CEL1	ACPF1	YCPF1	CNF2	CHI2	CEL2	ACPF2	YCPF2		
47	35.20	0.01	0.1676	0.0038	0.1162	0.0227	0.7345	0.4894	0.0520	0.2051	0.1062	0.4191		
48	35.46	0.02	0.2027	0.0160	0.1507	0.0301	0.5906	0.4417	0.0510	0.2050	0.1037	0.4186		
49	35.70	0.02	0.2765	0.0120	0.1654	0.0434	0.5890	0.4562	0.0499	0.2100	0.1005	0.4232		
50	35.94	0.03	0.1765	0.0304	0.1116	0.0549	0.6203	0.5171	0.0496	0.2200	0.0559	0.4255		
51	36.20	0.02	0.2451	0.0165	0.1443	0.0674	0.5886	0.5001	0.0484	0.2164	0.0956	0.4276		
52	36.43	0.03	0.2902	0.0253	0.1630	0.0673	0.5644	0.5062	0.0461	0.2164	0.0910	0.4315		
53	36.65	0.02	0.2525	0.0175	0.1461	0.0709	0.5776	0.5270	0.0462	0.2250	0.0876	0.4346		
54	36.90	0.04	0.2368	0.0155	0.1436	0.0625	0.6063	0.5250	0.0443	0.2477	0.0843	0.4338		
55	37.16	0.03	0.2741	0.0156	0.1250	0.0744	0.6027	0.5436	0.0440	0.2385	0.0805	0.4387		
56	37.37	0.02	0.2243	0.0161	0.1342	0.0606	0.5985	0.5623	0.0427	0.2484	0.0759	0.4418		
57	37.63	0.02	0.1846	0.0162	0.1102	0.0568	0.5966	0.5724	0.0424	0.2504	0.0740	0.4375		
58	37.87	0.02	0.2245	0.0217	0.1311	0.0560	0.5631	0.5676	0.0418	0.2495	0.0736	0.4396		
59	38.09	0.02	0.2213	0.0245	0.1270	0.1127	0.5740	0.5765	0.0421	0.2552	0.0727	0.4412		
60	38.33	0.02	0.2064	0.0156	0.1260	0.0560	0.5986	0.5917	0.0430	0.2632	0.0726	0.4357		
61	38.59	0.02	0.1250	0.0156	0.1735	0.1226	0.5728	0.6136	0.0440	0.2703	0.0717	0.4408		
62	38.83	0.03	0.1604	0.0165	0.1665	0.1049	0.5707	0.6115	0.0442	0.2678	0.0722	0.4380		
63	39.09	0.03	0.1437	0.0156	0.1622	0.1360	0.5722	0.6334	0.0452	0.2785	0.0713	0.4398		
64	39.35	0.02	0.1516	0.0226	0.1114	0.1181	0.5813	0.6322	0.0431	0.2790	0.0713	0.4414		
65	39.57	0.01	0.1416	0.0208	0.1747	0.1477	0.5247	0.6620	0.0447	0.2911	0.0675	0.4397		
66	39.79	0.04	0.0852	0.0150	0.1444	0.2134	0.4932	0.6017	0.0449	0.3020	0.0658	0.4431		
67	40.00	0.01	0.1512	0.0217	0.1764	0.1437	0.5252	0.6773	0.0452	0.2991	0.0667	0.4416		
68	40.20	0.01	0.1471	0.0156	0.1665	0.1544	0.5224	0.6794	0.0457	0.3007	0.0672	0.4426		
69	40.44	0.02	0.0844	0.0172	0.1372	0.2041	0.4403	0.7092	0.0451	0.3131	0.0635	0.4414		
70	40.65	0.02	0.0861	0.0175	0.1369	0.2035	0.4412	0.7170	0.0455	0.3168	0.0634	0.4415		
71	40.84	0.03	0.0854	0.0150	0.1371	0.2129	0.4145	0.7314	0.0458	0.3208	0.0626	0.4387		
72	41.07	0.01	0.0840	0.0210	0.1206	0.2504	0.3169	0.7579	0.0460	0.3310	0.0607	0.4375		
73	41.26	0.01	0.1270	0.0187	0.1673	0.1474	0.5297	0.7213	0.0467	0.3173	0.0647	0.4399		
74	41.46	0.02	0.1047	0.0166	0.1454	0.1614	0.4611	0.7347	0.0473	0.3208	0.0643	0.4367		
75	41.66	0.01	0.1141	0.0160	0.1614	0.1404	0.5377	0.7269	0.0477	0.3175	0.0654	0.4356		
76	41.86	0.01	0.1066	0.0166	0.1512	0.1500	0.4804	0.7405	0.0483	0.3250	0.0647	0.4354		
77	42.09	0.00	0.0860	0.0147	0.1413	0.1673	0.4691	0.7609	0.0479	0.3313	0.0629	0.4354		
78	42.30	0.01	0.0661	0.0055	0.1361	0.1440	0.5108	0.7730	0.0482	0.3361	0.0623	0.4346		
79	42.51	0.01	0.0635	0.0075	0.1332	0.1251	0.5254	0.7743	0.0479	0.3347	0.0618	0.4322		
80	42.70	0.01	0.0451	0.0061	0.1206	0.1243	0.5414	0.7663	0.0483	0.3410	0.0614	0.4337		
81	42.86	0.02	0.0515	0.0047	0.1370	0.0513	0.6019	0.7884	0.0486	0.3420	0.0616	0.4338		
82	43.07	0.01	0.0311	0.0016	0.1261	0.0515	0.6451	0.7996	0.0479	0.3452	0.0555	0.4317		
83	43.26	0.02	0.0472	0.0065	0.1154	0.1687	0.4102	0.8162	0.0488	0.3512	0.0597	0.4303		
84	43.42	0.02	0.0371	0.0016	0.1211	0.0485	0.5670	0.8070	0.0482	0.3468	0.0597	0.4257		
85	43.60	0.00	0.0325	0.0045	0.1155	0.1365	0.4696	0.8345	0.0483	0.3592	0.0578	0.4304		
86	43.75	0.02	0.0226	0.0065	0.1112	0.0221	0.4472	0.8301	0.0483	0.3574	0.0582	0.4305		
87	43.96	0.01	0.0252	0.0055	0.1060	0.2343	0.2389	0.8479	0.0487	0.3626	0.0574	0.4276		
88	44.12	0.02	0.0263	0.0061	0.1056	0.2321	0.2212	0.8651	0.0495	0.3692	0.0572	0.4268		
89	44.32	0.00	0.0155	0.0032	0.1042	0.2066	0.2718	0.8639	0.0500	0.3694	0.0578	0.4276		
90	44.51	0.00	0.0351	0.0054	0.1143	0.1539	0.4059	0.8596	0.0498	0.3674	0.0575	0.4274		
91	44.70	0.02	0.0135	0.0056	0.1015	0.2735	0.1063	0.8832	0.0503	0.3759	0.0569	0.4257		
92	44.89	0.01	0.0056	0.0022	0.1016	0.0739	0.5353	0.8821	0.0506	0.3746	0.0573	0.4247		

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH XXIC-6		PHI	CNCF	L	DEL1	DEL2	CEL3	DEL4	TRANSITION			
7 117 1.10 1.7		C.C. 01-0F13 C.C.		U	U	-30	U	-30	UNKNOWN			
FLIAT	ALPHA	BETA	CNF1	Cn1	Cb1	XCPF1	YCPF1	CNF2	CM2	CB2	XCPF2	YCPF2
93	45.08	-0.03	C.C625	U.0174	C.C156	U.2172	U.2476	U.9114	U.0498	U.3850	U.C546	U.4224
94	45.26	-0.01	-C.C1768	-U.0075	-C.C320	U.1001	U.4526	U.0591	U.0500	U.3016	U.C565	U.4244
95	45.45	-0.01	-C.C053	-U.0051	-C.C015	1.0398	-0.3737	U.9002	U.0515	U.3805	U.0572	U.4226
96	45.61	-0.01	-C.C046	-C.C031	-C.C245	U.C695	U.5576	U.9001	U.0522	U.3806	U.0580	U.4228
97	45.61	-0.01	-C.C0385	-C.C031	-C.C0190	U.C606	U.4925	U.9000	U.0541	U.3803	U.0601	U.4222
98	46.00	-0.03	-C.C1153	-C.C014	-C.C0558	U.1208	U.4842	U.8907	U.0560	U.3764	U.C623	U.4211
99	46.16	-0.03	-C.C0558	-C.C017	-C.C455	U.1223	U.4745	U.9054	U.0551	U.3818	U.C608	U.4216
100	46.33	-0.03	-C.C0567	-C.C014	-C.C0237	U.C302	U.6451	U.9059	U.0556	U.3821	U.C611	U.4199
101	46.51	-0.01	-C.C0625	-C.C022	-C.C034	U.0534	U.5031	U.9154	U.0557	U.3845	U.C608	U.4200
102	46.68	-0.02	-U.1326	-C.C012	-C.C012	U.1364	U.4576	U.0005	U.0574	U.3727	U.C647	U.4204
103	46.86	-0.01	-C.C0567	-C.C0115	-C.C0451	U.1175	U.4601	U.8954	U.0571	U.3750	U.C637	U.4188
104	47.02	-0.02	-C.C102	-C.C0128	-C.C0451	U.1279	U.4901	U.8955	U.0560	U.3750	U.0625	U.4188
105	47.21	-0.03	-C.C0543	-C.C0154	-C.C0465	U.1636	U.4931	U.9033	U.0556	U.3781	U.C615	U.4186
106	47.34	-0.03	-C.C0674	-C.C0153	-C.C0308	U.2275	U.5456	U.9176	U.0538	U.3854	U.C566	U.4196
107	47.55	-0.03	-C.C0806	-C.C0145	-C.C0442	U.1723	U.5105	U.8957	U.0555	U.3735	U.C615	U.4170
108	47.71	-0.03	-C.C0559	-C.C0146	-C.C0242	U.3711	U.7317	U.9269	U.0535	U.3850	U.C577	U.4153
109	47.90	-0.03	-C.C0559	-C.C0135	-U.0257	U.3385	U.7442	U.9102	U.0545	U.3778	U.C603	U.4151
110	48.06	-0.02	-U.0243	-C.C0136	-C.C0251	U.3082	U.0321	U.9281	U.0535	U.3836	U.0576	U.4133
111	48.25	-0.01	-C.C039	-C.C0163	-C.C0176	U.1817	U.5530	U.9542	U.0513	U.3901	U.C537	U.4088
112	48.43	-0.01	U.0555	-C.C0145	U.0032	-C.0272	U.0003	U.9906	U.0433	U.4014	U.0437	U.4053
113	48.61	-0.01	U.C021	-C.C0124	-C.C0110	-U.7513	U.1346	U.9784	U.0403	U.3840	U.C411	U.3525
114	48.76	-0.02	U.1422	-C.C0226	U.C025	-U.0103	U.2316	U.9369	U.0303	U.3614	U.0408	U.3657
115	48.96	-0.01	U.1353	C.C0057	C.C0235	U.0726	U.1756	U.0120	U.0430	U.4216	U.0425	U.4166
116	49.12	-0.01	U.C027	U.0172	U.C025	U.0263	U.0352	U.8909	U.0532	U.3634	U.C597	U.4076
117	49.26	-0.00	U.C070	U.C0185	U.C026	U.2342	U.0370	U.8946	U.0545	U.3675	U.C605	U.4108
118	49.43	-0.01	C.C053	U.0142	-U.0070	U.4025	-U.1939	U.8057	U.0574	U.3522	U.C663	U.4065
119	49.62	-0.01	C.C0140	U.C0112	-C.C0135	C.C004	-U.9602	U.8836	U.0563	U.3521	C.C652	U.4078
120	49.79	-0.01	U.C051	C.C0055	-C.C035	U.0805	-1.5213	U.8404	U.0572	U.3398	C.C680	U.4043
121	49.96	U.00	U.C0075	C.C0056	-C.C0131	U.2158	-1.6508	U.8526	U.0565	U.3455	C.C062	U.4053
122	50.16	-0.01	U.C0144	U.C0054	-C.C006	C.C051	-U.0131	U.8538	U.0558	U.3459	C.C653	U.4052
123	50.33	-0.01	C.C053	C.C0074	-C.C0037	C.7501	-U.9385	U.8506	U.0557	U.3430	U.C655	U.4033
124	50.49	U.01	U.C0113	U.C0072	-C.C0083	U.0375	-U.7369	U.8302	U.0552	U.3372	U.C660	U.4032
125	50.66	U.00	C.C015	C.C0068	-C.C0105	U.0023	-7.0224	U.8314	U.0543	U.3315	U.C653	U.3992
126	50.82	U.03	C.C054	C.C003	-C.C0097	U.1673	-U.0020	U.7964	U.0544	U.3133	U.C601	U.3924
127	51.02	U.02	U.C0054	C.C0055	-C.C0051	U.0932	-1.6906	U.8227	U.0537	U.3262	U.0652	U.3955
128	51.13	U.03	C.C0055	U.C0075	-C.C0102	U.3644	-1.0035	U.8422	U.0531	U.3333	U.C654	U.4025
129	45.67	U.01	C.C0501	C.C0195	-C.C0074	C.2168	U.0325	U.9982	U.0482	U.3945	U.C004	U.4130
130	46.09	-0.03	-C.C0501	-C.C0168	-C.C0353	C.2502	U.5363	U.9384	U.0544	U.3905	C.C580	U.4162

PAGE 3 OF 3
SHEET 1 OF 3

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART WACH RXIC-6 7 117 1.10 1.7				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
				C.C	sinCP13	C.C	U	-30	0	-30	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CM3	CB3	XCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4
1	-5.80	0.02	0.0357	5.5555	0.0063	5.5555	0.2332	-1.4575	0.0141	-0.8147	-0.0094	0.4105
2	-5.81	0.02	0.0367	5.5555	0.0067	5.5555	0.2652	-1.4405	0.0137	-0.8144	-0.0092	0.4100
3	-5.89	0.01	0.0256	5.5555	0.0051	5.5555	0.1559	-1.4513	0.0130	-0.8124	-0.0087	0.4107
4	-4.35	0.02	0.0214	5.5555	0.0084	5.5555	0.3975	-1.4814	0.0113	-0.8110	-0.0076	0.4124
5	-2.63	0.02	0.0161	5.5555	0.0065	5.5555	0.4050	-1.4555	0.0098	-0.8076	-0.0067	0.4174
6	-0.83	0.03	0.0111	5.5555	0.0041	5.5555	0.3706	-1.3945	0.0043	-0.5504	-0.0031	0.4234
7	0.53	0.03	0.0061	5.5555	0.0022	5.5555	0.3468	-1.3380	0.0004	-0.5853	-0.0003	0.4231
8	2.70	0.02	0.0022	5.5555	-0.0014	5.5555	-0.5472	-1.2340	-0.0058	-0.5310	0.0045	0.4232
9	4.53	0.02	0.0054	5.5555	-0.0025	5.5555	-0.5388	-1.2483	-0.0116	-0.5448	0.0093	0.4364
10	6.35	0.04	0.0085	5.5555	-0.0028	5.5555	-0.3305	-1.1424	-0.0144	-0.4924	0.0131	0.4310
11	8.17	0.02	0.0157	5.5555	-0.0003	5.5555	-0.0153	-1.0492	-0.0126	-0.4552	0.0120	0.4338
12	9.56	0.04	0.0076	5.5555	-0.0052	5.5555	-0.0884	-0.9074	-0.0157	-0.3533	0.0173	0.4334
13	11.84	0.04	0.0032	5.5555	-0.0070	5.5555	-1.9507	-0.7784	-0.0155	-0.3354	0.0199	0.4368
14	13.70	0.01	0.0006	5.5555	-0.0051	5.5555	-15.2152	-0.6285	-0.0129	-0.2713	0.0206	0.4317
15	15.63	0.03	0.0007	5.5555	-0.0065	5.5555	-1.0331	-0.4792	-0.0076	-0.2067	0.0163	0.4314
16	17.81	0.01	-0.0054	5.5555	-0.0121	5.5555	2.2479	-0.3359	0.0005	-0.1403	-0.0015	0.4176
17	19.52	0.02	-0.0063	5.5555	-0.0130	5.5555	2.0542	-0.2200	0.0004	-0.0809	-0.0382	0.3675
18	21.31	0.03	0.0117	5.5555	-0.0045	5.5555	-0.1688	-0.1685	0.0174	-0.0482	-0.1034	0.2861
19	23.55	0.01	-0.0024	5.5555	-0.0055	5.5555	3.9710	-0.0785	0.0224	-0.0084	-0.3624	0.1075
20	25.54	0.04	0.0032	5.5555	-0.0068	5.5555	-1.8944	-0.0085	0.0406	0.0253	-4.7672	-2.9742
21	27.81	0.06	0.0320	5.5555	0.0022	5.5555	0.0890	0.0277	0.0525	0.0430	1.8527	1.5501
22	29.35	0.05	0.0321	5.5555	0.0036	5.5555	0.1050	0.0321	0.0535	0.0484	1.6644	1.4435
23	28.59	0.07	0.0350	5.5555	0.0040	5.5555	0.1147	0.0624	0.0566	0.0601	0.9074	0.5666
24	28.51	0.06	0.0225	5.5555	0.0025	5.5555	0.1007	0.0788	0.0566	0.0656	0.7183	0.8656
25	29.26	0.05	0.0116	5.5555	-0.0023	5.5555	-0.1989	0.0980	0.0572	0.0778	0.5957	0.8107
26	29.56	0.06	0.0158	5.5555	-0.0024	5.5555	-0.1524	0.1247	0.0607	0.0607	0.4678	0.6590
27	29.85	0.04	0.0225	5.5555	-0.0004	5.5555	-0.0175	0.1455	0.0624	0.0597	0.4287	0.6851
28	30.16	0.05	0.0341	5.5555	0.0037	5.5555	0.1089	0.1471	0.0645	0.1024	0.4383	0.6947
29	30.44	0.06	0.0300	5.5555	0.0024	5.5555	0.0803	0.1681	0.0648	0.1115	0.3856	0.6656
30	30.72	0.08	0.0402	5.5555	0.0048	5.5555	0.1146	0.1845	0.0684	0.1230	0.3523	0.6526
31	30.58	0.05	0.0402	5.5555	0.0055	5.5555	0.1472	0.1765	0.0680	0.1178	0.3853	0.6675
32	31.26	0.06	0.0260	5.5555	0.0011	5.5555	0.0424	0.2288	0.0656	0.1414	0.2867	0.6175
33	31.54	0.06	0.0361	5.5555	0.0048	5.5555	0.1276	0.2608	0.0640	0.1540	0.2453	0.5905
34	31.84	0.04	0.0321	5.5555	0.0028	5.5555	0.0875	0.2710	0.0650	0.1598	0.2358	0.5894
35	32.10	0.05	0.0341	5.5555	0.0035	5.5555	0.1147	0.2874	0.0643	0.1674	0.2237	0.5842
36	32.37	0.03	0.0202	5.5555	-0.0002	5.5555	-0.0090	0.2941	0.0642	0.1733	0.2146	0.5755
37	32.66	0.02	0.0137	5.5555	-0.0025	5.5555	-0.1831	0.2979	0.0643	0.1724	0.2158	0.5805
38	32.91	0.03	0.0107	5.5555	-0.0001	5.5555	-0.0054	0.3312	0.0627	0.1888	0.1893	0.5700
39	33.17	0.02	0.0065	5.5555	-0.0051	5.5555	-1.1370	0.3494	0.0609	0.1972	0.1743	0.5644
40	33.44	0.01	0.0158	5.5555	0.0006	5.5555	0.0386	0.3776	0.0593	0.2093	0.1570	0.5541
41	33.70	0.01	0.0162	5.5555	0.0006	5.5555	0.0363	0.3916	0.0592	0.2157	0.1511	0.5508
42	33.56	0.00	0.0157	5.5555	-0.0008	5.5555	-0.0511	0.4155	0.0582	0.2276	0.1400	0.5475
43	34.20	0.01	0.0158	5.5555	-0.0024	5.5555	0.1228	0.4223	0.0585	0.2302	0.1385	0.5452
44	34.45	0.02	0.0076	5.5555	-0.0042	5.5555	-0.0544	0.4366	0.0580	0.2375	0.1331	0.5461
45	34.73	0.03	0.0055	5.5555	-0.0015	5.5555	-0.2006	0.4306	0.0591	0.2361	0.1372	0.5482
46	34.97	0.01	0.0126	5.5555	-0.0020	5.5555	-0.1592	0.4509	0.0575	0.2400	0.1284	0.5465

PALE 3 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH X10 ⁻⁶				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 117 1.10 1.7				C.C	0.10 F13	C.C	0	-30	0	-30	UNKNOWN	
PLINT	ALPHA	BETA	CONF	CH3	CB3	ACPF3	YCPF3	CH4	CB4	ACPF4	YCPF4	
47	35.20	0.01	0.0167	5.5555	-0.0013	5.9999	-0.0781	0.4788	0.0548	0.2585	0.1144	0.5398
48	35.40	0.02	0.0201	5.5555	0.0008	5.9999	0.0388	0.4928	0.0545	0.2633	0.1105	0.5342
49	35.70	0.02	0.0258	5.5555	0.0024	5.9999	0.0933	0.4964	0.0545	0.2666	0.1098	0.5371
50	35.94	0.03	0.0355	5.5555	0.0036	5.9999	0.1365	0.4954	0.0540	0.2657	0.1090	0.5364
51	36.20	0.02	0.0258	5.5555	0.0014	5.5555	0.0562	0.5155	0.0534	0.2754	0.1035	0.5363
52	36.43	0.03	0.0338	5.5555	0.0007	5.9999	0.0245	0.5308	0.0527	0.2801	0.0992	0.5278
53	36.65	0.02	0.0228	5.5555	0.0004	5.9999	0.0176	0.5328	0.0536	0.2825	0.1006	0.5305
54	36.90	0.02	0.0258	5.5555	0.0037	5.9999	0.1246	0.5519	0.0522	0.2914	0.0945	0.5280
55	37.16	0.03	0.0299	5.5555	0.0032	5.9999	0.1074	0.5475	0.0537	0.2851	0.0980	0.5276
56	37.37	0.02	0.0235	5.5555	-0.0001	5.5555	-0.0342	0.5628	0.0542	0.2947	0.0963	0.5236
57	37.63	0.02	0.0218	5.5555	0.0003	5.5555	0.0136	0.5404	0.0551	0.2854	0.1015	0.5281
58	37.67	0.02	0.0381	5.5555	0.0043	5.9999	0.1195	0.5680	0.0544	0.2970	0.0957	0.5225
59	38.05	0.02	0.0320	5.5555	0.0033	5.9999	0.1335	0.5795	0.0548	0.3030	0.0945	0.5229
60	38.33	0.02	0.0341	5.5555	-0.0010	5.9999	-0.4441	0.5676	0.0555	0.2985	0.0977	0.5259
61	38.55	0.02	0.0267	5.5555	0.0038	5.9999	0.1428	0.5627	0.0563	0.2951	0.1000	0.5244
62	38.83	0.03	0.0228	5.5555	0.0004	5.9999	0.0346	0.5826	0.0580	0.3056	0.0961	0.5244
63	39.09	0.03	0.0335	5.5555	-0.0052	5.5555	-1.4905	0.5741	0.0570	0.3026	0.0953	0.5271
64	39.35	0.02	0.0175	5.5555	0.0026	5.9999	0.1147	0.6107	0.0559	0.3178	0.0915	0.5204
65	39.57	0.01	0.0125	5.5555	0.0008	5.9999	0.0518	0.5836	0.0567	0.3071	0.0971	0.5261
66	39.79	0.02	0.0225	5.5555	0.0047	5.9999	0.2090	0.5764	0.0571	0.3027	0.0990	0.5252
67	40.00	0.01	0.0003	5.5555	-0.0043	5.9999	-1.3792	0.5905	0.0568	0.3057	0.0962	0.5244
68	40.20	0.01	0.0225	5.5555	0.0047	5.9999	0.2090	0.6209	0.0586	0.3226	0.0911	0.5196
69	40.44	0.02	0.0337	5.5555	0.0088	5.5555	0.2620	0.6215	0.0570	0.3227	0.0918	0.5196
70	40.65	0.02	0.0255	5.5555	0.0067	5.9999	0.2036	0.6268	0.0573	0.3256	0.0911	0.5179
71	40.84	0.03	0.0144	5.5555	0.0018	5.9999	0.1254	0.6249	0.0583	0.3246	0.0933	0.5155
72	41.07	0.01	0.0073	5.5555	-0.0002	5.5555	-0.0275	0.6247	0.0588	0.3238	0.0941	0.5184
73	41.26	0.01	0.0112	5.5555	0.0027	5.9999	0.2418	0.6715	0.0578	0.3415	0.0860	0.5086
74	41.46	0.02	0.0153	5.5555	0.0040	5.9999	0.2623	0.6600	0.0585	0.3405	0.0877	0.5108
75	41.66	0.01	0.0001	5.5555	-0.0015	5.5555	-19.0808	0.6852	0.0576	0.3474	0.0843	0.5076
76	41.88	0.01	0.0246	5.5555	0.0036	5.9999	0.2284	0.6929	0.0589	0.3504	0.0850	0.5057
77	42.09	0.00	0.0132	5.5555	0.0035	5.5555	0.2964	0.6995	0.0599	0.3522	0.0856	0.5035
78	42.30	-0.01	0.0050	5.5555	0.0024	5.5555	0.4815	0.7187	0.0586	0.3594	0.0815	0.5061
79	42.51	-0.01	0.0011	5.5555	-0.0002	5.9999	-0.1824	0.7174	0.0589	0.3591	0.0821	0.5005
80	42.70	-0.01	0.0112	5.5555	0.0027	5.9999	0.2418	0.7349	0.0578	0.3678	0.0781	0.4971
81	42.88	-0.02	0.0051	5.5555	0.0015	5.9999	0.3737	0.7503	0.0580	0.3718	0.0773	0.4958
82	43.07	0.01	0.0113	5.5555	0.0019	5.9999	0.1687	0.7623	0.0570	0.3765	0.0748	0.4940
83	43.26	-0.02	0.0153	5.5555	0.0067	5.9999	0.3483	0.7455	0.0534	0.3724	0.0783	0.4998
84	43.42	-0.02	0.0081	5.5555	0.0034	5.9999	0.4211	0.7593	0.0575	0.3764	0.0757	0.4958
85	43.60	0.00	-0.0050	5.5555	-0.0024	5.9999	0.4815	0.7588	0.0581	0.3768	0.0765	0.4986
86	43.79	-0.02	0.0112	5.5555	0.0036	5.9999	0.3225	0.7696	0.0575	0.3826	0.0747	0.4971
87	43.98	-0.01	0.0111	5.5555	0.0044	5.9999	0.4429	0.7624	0.0579	0.3800	0.0759	0.4984
88	44.12	0.02	0.0122	5.5555	0.0050	5.9999	0.4111	0.7700	0.0582	0.3825	0.0756	0.4972
89	44.32	-0.00	0.0002	5.5555	0.0021	5.9999	0.2589	0.7793	0.0593	0.3885	0.0748	0.4999
90	44.51	-0.09	0.0051	5.5555	0.0037	5.9999	0.4079	0.8011	0.0560	0.3937	0.0695	0.4914
91	44.70	-0.02	0.0050	5.5555	0.0027	5.9999	0.5417	0.7889	0.0588	0.3896	0.0745	0.4938
92	44.85	-0.01	-0.0002	5.5555	-0.0023	5.5555	0.2014	0.7977	0.0571	0.3930	0.0716	0.4927

PAGE 1 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		AXIS		PHI		CONF		C		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		1.0		0.0		1.7		0.0		0.0		0.0		-30		0		-30		UNKNOWN	
FLINT	ALPHA	BETA	CM	CLM	CLY	CLA	CLL	CA	CAB	CAF	XCP										
1	-5.51	0.00	-3.7935	12.7051	0.0007	-0.0007	0.0178	1.8637	0.3489	1.5348	-3.3499										
2	-5.50	0.01	-3.7036	12.0455	-0.0005	0.0030	-0.0115	1.8003	0.3516	1.5315	-3.3433										
3	-5.50	0.02	-3.7536	12.6078	0.0210	-0.0379	0.0333	1.8760	0.3513	1.5247	-3.3586										
4	-5.50	0.02	-3.6507	12.2251	-0.0040	0.0007	0.0030	1.8023	0.3489	1.5334	-3.3306										
5	-5.49	0.02	-3.7442	12.5120	-0.0061	0.0044	0.0030	1.8646	0.3489	1.5157	-3.3417										
6	-5.51	0.02	-3.7074	12.0355	-0.0041	-0.0031	0.0031	1.8838	0.3489	1.5349	-3.3240										
7	-5.50	0.02	-3.7000	12.6448	-0.0005	0.0030	-0.0116	1.8797	0.3508	1.5285	-3.3276										
8	-5.66	0.02	-3.6173	12.0140	0.0008	-0.0100	0.0097	1.9029	0.3433	1.5556	-3.3570										
9	-4.98	0.02	-3.5122	13.2964	0.0227	-0.0366	0.0035	1.9243	0.3206	1.6037	-3.3987										
10	-3.20	0.02	-3.6754	12.9007	0.0035	-0.0096	-0.0035	1.7006	0.1950	1.5058	-3.5057										
11	-1.64	0.02	-3.2480	12.1173	0.0093	-0.0006	-0.0028	1.6712	0.1497	1.5215	-3.7079										
12	-1.38	0.02	-3.3401	12.1085	-0.0002	0.0000	0.0000	1.6613	0.1473	1.5140	-3.6166										
13	-0.30	0.02	-3.0427	11.4274	-0.0057	0.0036	0.0044	1.6082	0.1501	1.4582	-3.7557										
14	1.30	0.02	-2.6745	10.5203	0.0004	-0.0157	0.0050	1.5088	0.1044	1.3544	-3.5336										
15	3.14	0.02	-2.3088	9.5564	0.0062	-0.0058	0.0054	1.3938	0.1610	1.2328	-4.1573										
16	4.77	0.02	-1.5845	8.7945	0.0004	-0.0003	-0.0015	1.3018	0.1700	1.1310	-4.4335										
17	6.50	0.02	-1.5076	7.5007	0.0041	-0.0075	-0.0010	1.1826	0.1771	1.0055	-4.9802										
18	8.23	0.02	-1.2314	7.1009	0.0057	-0.0150	-0.0004	1.0804	0.1624	0.8980	-5.7712										
19	9.50	0.02	-0.8382	6.2207	-0.0002	-0.0150	0.0072	0.9730	0.1856	0.7874	-7.4211										
20	11.09	0.02	-0.4035	5.3333	-0.0244	-0.0010	-0.0069	0.8804	0.1670	0.6734	-11.4957										
21	13.40	0.02	-0.0041	4.3478	0.0250	-0.0053	-0.0062	0.7543	0.1647	0.5656	-14.0481										
22	15.17	0.02	0.3316	3.8410	-0.0022	0.0022	-0.0050	0.6504	0.1852	0.4732	-11.5771										
23	16.99	0.02	0.7225	3.3300	-0.1183	0.1791	0.0093	0.5519	0.1881	0.3638	-4.1916										
24	18.74	0.01	1.0938	2.4421	-0.1265	0.3298	0.0095	0.4578	0.1849	0.2666	-2.2053										
25	20.58	0.01	1.4557	1.8825	-0.3002	0.9000	0.0304	0.3868	0.2012	0.1856	-1.2974										
26	22.37	0.00	1.7508	1.5954	-0.4051	1.4115	0.0223	0.3310	0.2168	0.1150	-0.5112										
27	24.17	0.00	2.0512	1.4428	-0.5481	1.4681	0.0088	0.2826	0.2257	0.0569	-0.7034										
28	25.95	0.00	2.3067	1.3705	-0.4157	0.5443	0.0040	0.2442	0.2342	0.0100	-0.5742										
29	27.79	0.05	2.6610	1.3602	0.4507	-1.0840	0.0841	0.1928	0.2375	-0.0447	-0.4754										
30	28.12	0.05	2.7929	1.4305	0.3156	-0.5014	0.0541	0.1768	0.2370	-0.0502	-0.5143										
31	28.42	0.06	2.8414	1.4324	0.3062	-1.3458	0.0845	0.1759	0.2375	-0.0616	-0.5041										
32	28.68	0.06	2.8009	1.4411	0.5000	-1.1867	0.0646	0.1637	0.2385	-0.0748	-0.4968										
33	29.01	0.05	2.4575	1.4168	0.4072	-1.2323	0.0775	0.1625	0.2394	-0.0789	-0.4750										
34	29.33	0.07	2.0333	1.3751	0.0693	-1.0504	0.1077	0.1404	0.2422	-0.0558	-0.4534										
35	29.61	0.07	3.1242	1.4134	0.7600	-1.3944	0.1008	0.1321	0.2413	-0.1093	-0.4524										
36	29.88	0.06	3.1157	1.4570	0.4531	-0.5191	0.1070	0.1313	0.2432	-0.1120	-0.4670										
37	30.17	0.08	3.2417	1.3585	0.5297	-1.8145	0.1235	0.1171	0.2483	-0.1313	-0.4192										
38	30.44	0.04	3.3238	1.3380	1.0745	-2.2330	0.1314	0.1101	0.2536	-0.1436	-0.4025										
39	30.70	0.08	3.3746	1.3625	0.5666	-2.0187	0.1175	0.1059	0.2546	-0.1488	-0.4039										
40	30.96	0.07	3.4424	1.3345	0.5100	-0.2539	0.0633	0.0945	0.2612	-0.1607	-0.3877										
41	31.25	0.07	3.5015	1.3002	0.6024	-0.7672	0.1015	0.0947	0.2645	-0.1698	-0.3730										
42	31.53	0.06	3.5849	1.2094	0.4396	-0.1090	0.0633	0.0712	0.2720	-0.2008	-0.3374										
43	31.79	0.07	3.6501	1.1452	0.5871	-0.2618	0.0559	0.0899	0.2777	-0.2078	-0.3103										
44	32.08	0.06	3.6735	1.2136	0.2753	0.0340	0.0391	0.0671	0.2786	-0.2115	-0.3304										
45	32.32	0.07	3.6003	1.1262	0.5503	0.2444	0.0625	0.0526	0.2843	-0.2317	-0.2957										
46	32.57	0.07	3.7000	1.1631	0.5050	-0.0833	0.0715	0.0430	0.2810	-0.2380	-0.2981										

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: F10-6				PHI CONF		DEL1 DEL2		DEL3 DEL4		TRANSITION		
7 117 1.10 1.7				C.C. 010CF13 C.C.		0 -30		0 -30		UNKNOWN		
PLINT	ALPHA	BETA	CONF	CH3	CH3	XCPF3	YCPF3	CONF4	CH4	CB4	XCPF4	YCPF4
93	45.03	-0.03	-0.0143	5.5555	-0.0043	5.5555	0.3017	0.7729	0.0594	0.3852	0.0768	0.4984
94	45.28	-0.01	-0.0020	5.5555	-0.0005	5.5555	0.4514	0.8159	0.0563	0.3550	0.0690	0.4890
95	45.45	-0.01	0.0141	5.5555	0.0061	5.5555	0.4340	0.8009	0.0590	0.3536	0.0736	0.4514
96	45.61	-0.01	0.0051	5.5555	0.0042	5.5555	0.4630	0.8180	0.0569	0.3557	0.0655	0.4886
97	45.81	-0.01	0.0040	5.5555	0.0042	5.5555	0.5350	0.8078	0.0592	0.3557	0.0733	0.4895
98	46.00	-0.03	0.0071	5.5555	0.0033	5.5555	0.4003	0.8149	0.0550	0.3554	0.0724	0.4855
99	46.18	-0.03	-0.0031	5.5555	-0.0010	5.5555	0.3230	0.8198	0.0582	0.4002	0.0710	0.4882
100	46.33	-0.03	-0.0021	5.5555	-0.0004	5.5555	0.1911	0.8066	0.0603	0.3575	0.0746	0.4916
101	46.51	-0.01	-0.0021	5.5555	0.0007	5.5555	-0.3344	0.8193	0.0597	0.4006	0.0728	0.4890
102	46.68	-0.02	0.0030	5.5555	0.0023	5.5555	0.7091	0.7650	0.0617	0.3796	0.0806	0.4964
103	46.86	-0.01	0.0172	5.5555	0.0074	5.5555	0.4316	0.8110	0.0600	0.3574	0.0740	0.4500
104	47.02	-0.02	-0.0002	5.5555	0.0030	5.5555	-15.0480	0.7827	0.0612	0.3575	0.0782	0.4551
105	47.21	-0.03	0.0050	5.5555	0.0051	5.5555	0.5085	0.7824	0.0624	0.3786	0.0818	0.4965
106	47.39	-0.03	-0.0001	5.5555	0.0013	5.5555	-13.0410	0.7252	0.0652	0.3638	0.0695	0.5017
107	47.55	-0.03	0.0010	5.5555	0.0011	5.5555	1.1035	0.7405	0.0648	0.3685	0.0875	0.4977
108	47.71	-0.03	0.0004	5.5555	0.0004	5.5555	0.7214	0.7336	0.0647	0.3647	0.0882	0.4595
109	47.90	-0.03	0.0025	5.5555	0.0037	5.5555	1.2799	0.7177	0.0664	0.3585	0.0925	0.5001
110	48.08	-0.02	-0.0011	5.5555	0.0005	5.5555	-0.4500	0.7162	0.0671	0.3501	0.0937	0.4572
111	48.25	-0.01	0.0005	5.5555	0.0022	5.5555	2.4523	0.7532	0.0655	0.3531	0.0853	0.4580
112	48.43	-0.01	0.0035	5.5555	0.0032	5.5555	0.8231	0.7499	0.0644	0.3703	0.0855	0.4538
113	48.61	-0.01	0.0019	5.5555	0.0025	5.5555	1.3200	0.7550	0.0632	0.3734	0.0837	0.4546
114	48.78	-0.02	-0.0003	5.5555	-0.0004	5.5555	0.0463	0.7594	0.0640	0.3742	0.0843	0.4528
115	48.96	-0.01	0.0070	5.5555	0.0044	5.5555	0.6306	0.7604	0.0639	0.3771	0.0834	0.4521
116	49.12	-0.01	0.0055	5.5555	0.0044	5.5555	0.7401	0.7675	0.0637	0.3796	0.0830	0.4945
117	49.28	-0.00	-0.0001	5.5555	0.0011	5.5555	-11.0352	0.7775	0.0635	0.3833	0.0817	0.4525
118	49.43	-0.01	0.0130	5.5555	0.0074	5.5555	0.5711	0.7845	0.0637	0.3856	0.0812	0.4515
119	49.62	-0.01	-0.0021	5.5555	0.0007	5.5555	-0.3344	0.7799	0.0633	0.3836	0.0812	0.4518
120	49.79	-0.01	-0.0042	5.5555	0.0005	5.5555	-0.2150	0.7585	0.0644	0.3751	0.0845	0.4546
121	49.96	0.00	0.0030	5.5555	0.0023	5.5555	0.7691	0.7775	0.0636	0.3821	0.0818	0.4514
122	50.10	-0.01	0.0111	5.5555	0.0054	5.5555	0.4680	0.7773	0.0640	0.3824	0.0823	0.4516
123	50.33	0.01	0.0000	5.5555	0.0030	5.5555	3.7620	0.7774	0.0637	0.3818	0.0815	0.4511
124	50.49	0.01	0.0000	5.5555	0.0042	5.5555	0.5267	0.7773	0.0640	0.3816	0.0823	0.4509
125	50.68	0.00	0.0030	5.5555	0.0018	5.5555	0.6019	0.7820	0.0622	0.3848	0.0795	0.4920
126	50.86	0.02	0.0050	5.5555	0.0024	5.5555	0.4015	0.7770	0.0630	0.3812	0.0811	0.4906
127	51.02	0.02	0.0050	5.5555	0.0035	5.5555	0.7022	0.7842	0.0624	0.3829	0.0756	0.4882
128	51.13	0.03	0.0001	5.5555	0.0034	5.5555	0.4211	0.7840	0.0633	0.3861	0.0807	0.4924
129	49.67	0.01	0.0140	5.5555	0.0080	5.5555	0.5733	0.7828	0.0622	0.3880	0.0794	0.4958
130	48.09	-0.03	0.0060	5.5555	0.0036	5.5555	0.0354	0.7593	0.0640	0.3715	0.0874	0.5031

PAGE 1 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		RX10-0		PHI	CCRF	L	CELI	DEL2	DEL3	DEL4	TRANSITION
7		110		0.00		0.0		0.0	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CN	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP		
47	32.84	0.09	3.9900	1.2271	0.7810	-0.4306	0.0950	0.0400	0.2907	-0.2506	0.3375		
48	33.10	0.11	4.1227	1.3300	1.1000	-1.4579	0.1054	0.0120	0.2803	-0.2735	0.3247		
49	33.34	0.10	4.2377	1.2161	1.0175	-0.3790	0.1051	0.0240	0.2944	-0.2703	0.2870		
50	33.00	0.11	4.3013	1.2751	1.1333	-1.1257	0.0903	0.0101	0.3035	-0.2934	0.2964		
51	33.04	0.11	4.3566	1.3424	1.0602	-0.7569	0.0902	0.0044	0.3106	-0.3062	0.3052		
52	34.00	0.10	4.4004	1.2200	1.0702	-0.7102	0.0901	0.0002	0.3167	-0.3103	0.2731		
53	34.35	0.11	4.5750	1.1700	1.0500	-0.6050	0.0903	-0.0194	0.3211	-0.3405	0.2572		
54	34.54	0.12	4.6002	1.2571	1.2053	-0.9549	0.0917	-0.0348	0.3272	-0.3620	0.2771		
55	34.82	0.12	4.7517	1.2252	1.2443	-0.8502	0.0916	-0.0347	0.3334	-0.3681	0.2578		
56	35.07	0.12	4.8432	1.2002	1.2363	-0.8503	0.0914	-0.0340	0.3391	-0.3701	0.2455		
57	35.32	0.13	5.0135	0.9904	1.4055	-0.7150	0.1005	-0.0507	0.3409	-0.4056	0.1587		
58	35.54	0.13	5.0401	1.2104	1.3507	-1.1605	0.0941	-0.0652	0.3470	-0.4128	0.2415		
59	35.79	0.12	5.1048	1.2112	1.2645	-1.3774	0.0945	-0.0609	0.3486	-0.4175	0.2373		
60	36.01	0.12	5.1214	1.2514	1.5571	-3.0544	0.0976	-0.0942	0.3443	-0.4303	0.2443		
61	36.24	0.12	5.2060	1.2040	1.4515	-2.6596	0.0990	-0.0943	0.3476	-0.4408	0.2311		
62	36.46	0.12	5.3154	1.1770	1.3586	-2.3146	0.0907	-0.1040	0.3533	-0.4578	0.2214		
63	36.72	0.12	5.4205	1.0197	1.4312	-2.2341	0.0826	-0.1142	0.3605	-0.4740	0.1879		
64	36.95	0.12	5.5347	0.7751	1.4643	-2.2575	0.0830	-0.1340	0.3638	-0.4906	0.1762		
65	37.10	0.12	5.6347	0.3824	1.2813	-1.1508	0.0808	-0.1371	0.3701	-0.5072	0.1568		
66	37.43	0.12	5.7709	0.7004	1.3113	-1.1072	0.0745	-0.1713	0.3705	-0.5478	0.1212		
67	37.65	0.12	5.8645	0.6122	1.1730	-0.1205	0.0551	-0.1603	0.3614	-0.5477	0.1040		
68	37.89	0.12	6.0390	0.4957	1.1525	0.0100	0.0501	-0.1806	0.3702	-0.5608	0.0828		
69	38.14	0.12	6.2553	0.2507	0.9544	1.0456	0.0525	-0.2301	0.3800	-0.6101	0.0401		
70	38.30	0.10	6.4135	-0.0002	0.7045	1.9700	0.0573	-0.2524	0.3848	-0.6372	-0.0106		
71	38.60	0.10	6.5507	-0.2570	0.5807	2.0204	0.0702	-0.2713	0.3858	-0.6571	-0.0451		
72	38.82	0.09	6.7042	-0.5555	0.3714	3.4215	0.0774	-0.2973	0.3920	-0.6693	-0.0681		
73	39.04	0.10	6.8823	-0.7048	0.3757	3.5849	0.0571	-0.3120	0.3920	-0.7040	-0.1024		
74	39.20	0.09	6.9820	-0.8150	0.2400	3.7743	0.0820	-0.3242	0.3939	-0.7161	-0.1168		
75	39.40	0.08	7.0450	-0.7541	0.2546	3.5048	0.0757	-0.3249	0.3966	-0.7235	-0.1070		
76	39.67	0.09	7.2040	-0.5500	0.3253	3.7305	0.0828	-0.3300	0.3970	-0.7576	-0.1331		
77	39.85	0.09	7.1825	-0.6074	0.4155	3.0457	0.0709	-0.3449	0.4038	-0.7537	-0.0929		
78	40.08	0.10	7.0445	-0.1945	0.7702	1.5440	0.0835	-0.3352	0.3980	-0.7332	-0.0276		
79	40.27	0.10	7.0811	-0.0352	0.8403	1.0317	0.0763	-0.3201	0.4047	-0.7248	-0.0055		
80	40.40	0.11	7.1040	0.1013	1.1000	0.0124	0.0909	-0.3417	0.4014	-0.7431	0.0227		
81	40.70	0.11	7.3220	-0.2273	0.5088	1.3726	0.0921	-0.3699	0.4066	-0.7765	-0.0310		
82	40.89	0.10	7.3400	-0.0004	1.0031	0.7507	0.0574	-0.3507	0.4033	-0.7600	-0.0011		
83	41.11	0.11	7.4156	-0.1341	1.1100	0.5545	0.0939	-0.3639	0.4076	-0.7715	-0.0181		
84	41.31	0.10	7.5075	-0.1310	1.0305	1.1150	0.0791	-0.3831	0.4075	-0.7906	-0.0175		
85	41.50	0.10	7.6700	-0.4031	1.0010	1.6120	0.0923	-0.4131	0.4071	-0.8252	-0.0603		
86	41.70	0.11	7.8029	-0.0051	0.9034	2.1090	0.0900	-0.4207	0.4123	-0.8390	-0.1024		
87	41.90	0.10	7.9420	-0.7505	0.8474	2.2707	0.0833	-0.4401	0.4147	-0.8548	-0.0953		
88	42.10	0.11	8.0470	-0.0152	0.9401	1.9325	0.1071	-0.4404	0.4155	-0.8600	-0.1018		
89	42.29	0.12	8.2670	-1.1350	1.1511	2.0105	0.1216	-0.4717	0.4202	-0.8980	-0.1374		
90	42.41	0.12	8.3461	-1.0030	1.0000	2.1900	0.1065	-0.4806	0.4224	-0.9002	-0.1275		
91	42.66	0.12	8.4730	-1.3054	1.0000	2.3509	0.1054	-0.4903	0.4255	-0.9150	-0.1541		
92	42.85	0.12	8.6522	-1.4010	1.1524	2.3511	0.1137	-0.5112	0.4310	-0.9422	-0.1689		

PAGE 1 OF 3
SHEET 3 OF 5

PARTIAL MISSILE TAILS EFFECTS DATA

TEST /	PART 118	MACH 0.60	RXIC=2 1.7	PHI C.C. 010031	CONF C.O	L 0.0	DEL1 0	DEL2 -30	CEL3 0	CEL4 -30	TRANSITION UNAKOWN
FCINT	ALPHA	BETA	CL	CLM	CL	CLN	CLL	CA	CAB	CAF	XCP
93	43.01	0.11	8.7336	-1.5525	1.5388	2.3891	0.1049	-0.5785	0.4348	-0.9533	-0.1888
94	43.20	0.12	8.6544	-1.2535	1.6755	1.9688	0.1063	-0.5239	0.4202	-0.9501	-0.1455
95	43.35	0.11	8.7813	-1.5525	1.5388	2.2431	0.1146	-0.5264	0.4363	-0.9627	-0.1711
96	43.50	0.12	8.5605	-1.0554	1.1941	2.3730	0.1073	-0.5495	0.4307	-0.9862	-0.1852
97	43.74	0.13	5.1006	-1.5668	1.2410	2.6837	0.1209	-0.5628	0.4410	-1.0038	-0.2161
98	43.93	0.12	5.1544	-2.0102	1.1280	2.5216	0.1204	-0.5400	0.4439	-0.9919	-0.2195
99	44.11	0.12	5.2864	-2.0020	1.1174	2.7078	0.1217	-0.5721	0.4410	-1.0131	-0.2160
100	44.30	0.13	5.3463	-1.5709	1.2557	2.3594	0.1227	-0.5061	0.4439	-1.0300	-0.2119
101	44.45	0.13	5.3532	-1.9502	1.2107	2.1255	0.1367	-0.5804	0.4425	-1.0229	-0.2085
102	44.65	0.14	5.5215	-2.1809	1.3467	2.4355	0.1374	-0.5077	0.4449	-1.0328	-0.2276
103	44.86	0.13	5.5618	-2.2245	1.3533	1.9084	0.1563	-0.6118	0.4411	-1.0529	-0.2322
104	45.03	0.13	5.6134	-2.0570	1.2751	1.9760	0.1397	-0.6093	0.4454	-1.0547	-0.2245
105	45.21	0.14	5.7057	-2.3782	1.4105	2.1150	0.1557	-0.6287	0.4425	-1.0713	-0.2467
106	45.35	0.13	5.7546	-2.3556	1.2560	2.4442	0.1302	-0.6321	0.4412	-1.0734	-0.2415
107	45.50	0.12	5.8255	-2.3585	1.2064	2.3860	0.1385	-0.6298	0.4476	-1.0777	-0.2399
108	45.73	0.12	5.8502	-2.3701	1.1732	2.0532	0.1382	-0.6239	0.4530	-1.0770	-0.2396
109	45.92	0.13	10.1358	-2.6857	1.4725	2.1524	0.1623	-0.6580	0.4525	-1.1106	-0.2633
110	46.09	0.12	10.1730	-2.5885	1.3687	2.2069	0.1550	-0.6612	0.4535	-1.1148	-0.2543
111	46.28	0.12	10.3230	-2.7604	1.4258	1.9325	0.1708	-0.6618	0.4540	-1.1159	-0.2657
112	46.45	0.12	10.3004	-2.6903	1.3015	2.1577	0.1702	-0.6516	0.4545	-1.1062	-0.2563
113	46.60	0.11	10.3059	-2.6617	1.2630	2.0571	0.1558	-0.6737	0.4535	-1.1272	-0.2582
114	46.79	0.11	10.4019	-2.6806	1.1859	2.5471	0.1620	-0.6801	0.4506	-1.1230	-0.2577
115	46.97	0.12	10.5788	-2.8723	1.3004	2.7481	0.1541	-0.6614	0.4563	-1.1377	-0.2715
116	47.13	0.13	10.7088	-3.0255	1.3628	2.7552	0.1470	-0.6897	0.4615	-1.1462	-0.2825
117	47.30	0.11	10.8525	-2.8275	1.1108	2.9528	0.1246	-0.6817	0.4629	-1.1446	-0.2845
118	47.48	0.11	10.7420	-2.8690	1.1603	3.0508	0.1319	-0.6874	0.4672	-1.1546	-0.2671
119	47.66	0.10	10.7417	-2.7548	0.9559	3.1793	0.1245	-0.6755	0.4715	-1.1470	-0.2602
120	47.84	0.12	10.9355	-2.9637	1.2073	3.0593	0.1251	-0.6883	0.4720	-1.1603	-0.2710
121	47.98	0.08	10.7456	-2.8354	0.7334	3.8187	0.1154	-0.6890	0.4710	-1.1600	-0.2453
122	48.16	0.06	10.8003	-2.8022	0.7857	3.9504	0.1077	-0.6873	0.4762	-1.1635	-0.2470
123	48.32	0.05	10.8854	-2.8522	0.8268	3.8899	0.1080	-0.6831	0.4757	-1.1588	-0.2450
124	48.50	0.07	10.8755	-2.8501	0.5942	4.1674	0.1052	-0.7013	0.4753	-1.1766	-0.2436
125	48.65	0.08	10.5677	-2.7371	0.5650	4.5545	0.0838	-0.7213	0.4743	-1.1958	-0.2456
126	48.83	0.08	11.0204	-2.5806	0.5571	4.5305	0.0625	-0.6982	0.4791	-1.1773	-0.2342
127	49.00	0.05	11.0356	-2.7290	0.2353	4.7137	0.0624	-0.7307	0.4744	-1.2051	-0.2473
128	49.18	0.08	11.2065	-2.7476	0.6450	3.9828	0.0674	-0.7004	0.4777	-1.1641	-0.2434
129	49.33	0.05	11.0638	-2.8041	0.1307	5.3872	0.0092	-0.7574	0.4730	-1.2304	-0.2349
130	49.53	0.05	11.1762	-2.5501	0.3286	4.4175	0.0790	-0.6993	0.4753	-1.1746	-0.2108
131	49.71	0.05	11.1501	-2.2926	0.2500	4.5726	0.0421	-0.7080	0.4814	-1.1894	-0.2049
132	49.87	0.06	11.3413	-2.4242	0.4687	4.8159	0.0352	-0.7526	0.4805	-1.2331	-0.2141
133	50.02	0.02	11.1252	-2.1277	0.1423	5.4503	0.0027	-0.7789	0.4730	-1.2489	-0.1912
134	50.20	0.03	11.2126	-2.1031	0.1635	5.1915	0.0167	-0.7858	0.4734	-1.2542	-0.1876
135	50.37	0.02	11.3422	-2.2572	0.2138	5.5811	0.0067	-0.7927	0.4712	-1.2700	-0.1972
136	50.54	0.01	11.3230	-2.1833	0.3028	5.6658	0.0000	-0.7923	0.4763	-1.2687	-0.1928
137	50.70	0.02	11.3052	-2.0601	0.2514	5.4353	0.0098	-0.8026	0.4763	-1.2790	-0.1839
138	50.87	0.03	11.4914	-2.4171	0.0005	5.1593	0.0071	-0.7953	0.4863	-1.2816	-0.2103

PAGE 1 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-E PRI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
7 118 0.00 1.0 0.0 0.0 0 -30 0 -30 UNKNOWN											
PCINT	ALPHA	BETA	CLN	CLM	CLY	CLA	CLL	CA	CAB	CAF	XCP
139	51.04	0.03	11.0035	-2.3241	-0.0897	5.2840	-0.0959	-0.8017	0.4924	-1.2941	-0.2003
140	51.21	0.05	11.0754	-2.3173	0.2448	4.5844	0.0160	-0.7274	0.5109	-1.2447	-0.1985
141	51.38	0.05	11.7246	-2.2478	0.3137	4.1270	-0.0546	-0.6601	0.5321	-1.2201	-0.1917
142	51.55	0.07	11.8840	-2.3047	0.5850	3.9757	0.0044	-0.6625	0.5347	-1.2211	-0.1943
143	51.71	0.07	11.9864	-2.3444	0.5525	3.6257	0.0561	-0.6462	0.5352	-1.2353	-0.1960
144	51.90	0.09	12.1010	-2.4683	0.7421	4.3250	0.0084	-0.6618	0.5514	-1.2336	-0.2056
145	52.06	0.07	12.1067	-2.3227	0.6504	3.9170	0.0500	-0.6879	0.5529	-1.2427	-0.2084
146	52.24	0.09	12.3518	-2.6613	0.6512	4.6414	0.0340	-0.7024	0.5571	-1.2594	-0.2171
147	52.41	0.10	12.3380	-2.5942	0.9007	4.5106	0.0540	-0.7134	0.5600	-1.2734	-0.2106
148	52.57	0.08	12.4363	-2.7455	0.7234	4.8859	0.0300	-0.7458	0.5650	-1.3148	-0.2192
149	52.75	0.08	12.6560	-2.8221	0.7432	5.2390	-0.0132	-0.7129	0.5876	-1.3025	-0.2235
150	52.92	0.06	12.6481	-2.6517	0.8414	5.3167	-0.0211	-0.7315	0.5833	-1.3148	-0.2286
151	53.08	0.09	12.6655	-2.6556	0.8011	5.4187	-0.0288	-0.7263	0.5868	-1.3151	-0.2310
152	53.26	0.08	12.8228	-3.1221	0.7254	5.7147	-0.1323	-0.7100	0.5956	-1.3142	-0.2434
153	53.40	0.09	12.8810	-3.1371	0.7505	5.8613	-0.1477	-0.7265	0.5944	-1.3209	-0.2430
154	53.58	0.10	13.0037	-3.3073	0.8535	5.5634	-0.2131	-0.7430	0.5958	-1.3426	-0.2532
155	53.74	0.09	13.3251	-3.5052	0.8805	5.2057	-0.2630	-0.7394	0.6169	-1.3563	-0.2634
156	53.90	0.09	13.4047	-3.4614	0.9006	5.0630	-0.2021	-0.7194	0.6201	-1.3355	-0.2582
157	54.07	0.09	13.4347	-3.6423	0.9822	4.2189	-0.2147	-0.7277	0.6254	-1.3531	-0.2711
158	54.25	0.09	13.4761	-3.6060	1.0650	3.9783	-0.1846	-0.7056	0.6302	-1.3438	-0.2676
159	54.42	0.10	13.5269	-3.6315	1.1567	3.8648	-0.1345	-0.7139	0.6356	-1.3455	-0.2684
160	54.58	0.10	13.6090	-3.7558	1.1879	3.5010	-0.1015	-0.7227	0.6384	-1.3596	-0.2743
161	54.73	0.09	13.5752	-3.6730	1.1461	3.5473	-0.0754	-0.7065	0.6571	-1.3636	-0.2705
162	54.92	0.06	13.6216	-3.6790	0.9424	3.4512	-0.0631	-0.7145	0.6557	-1.3702	-0.2807
163	55.09	0.06	13.6845	-3.3920	1.0436	3.5232	-0.0856	-0.7300	0.6518	-1.3904	-0.2807
164	55.24	0.06	13.6813	-3.6057	1.1035	3.4803	-0.0555	-0.7375	0.6615	-1.3950	-0.2795
165	55.40	0.06	14.0305	-4.0024	1.1517	3.4873	-0.0480	-0.7304	0.6688	-1.3992	-0.2853
166	55.57	0.09	14.1647	-4.1235	1.2067	3.6733	-0.0632	-0.7317	0.6742	-1.4058	-0.2911
167	55.73	0.09	14.2259	-4.1153	1.2639	3.2505	-0.0594	-0.7416	0.6844	-1.4259	-0.2893
168	55.89	0.09	14.3017	-4.1116	1.2201	3.5855	-0.0772	-0.7293	0.6853	-1.4145	-0.2879
169	56.05	0.06	14.3759	-4.1551	1.1621	3.4553	-0.0815	-0.7354	0.6722	-1.4275	-0.2850
170	56.18	0.09	14.4312	-3.8911	1.2261	3.4641	-0.0398	-0.7283	0.6999	-1.4481	-0.2754
171	56.35	0.08	14.5275	-4.0426	1.1548	3.4069	-0.0317	-0.7384	0.7056	-1.4439	-0.2822
172	56.52	0.10	14.4544	-4.0325	1.4157	3.1824	-0.0307	-0.7318	0.7090	-1.4407	-0.2790
173	56.65	0.09	14.5042	-4.0342	1.2433	3.1662	-0.0362	-0.7324	0.7076	-1.4359	-0.2820
174	56.82	0.06	14.4056	-4.1477	1.2151	3.1543	-0.0305	-0.7306	0.7124	-1.4316	-0.2879
175	56.99	0.08	14.5203	-4.0732	1.1053	3.2422	-0.0151	-0.7370	0.7211	-1.4381	-0.2805
176	57.16	0.08	14.6300	-4.0672	1.1895	3.0311	0.0009	-0.7150	0.7254	-1.4388	-0.2780
177	57.30	0.07	14.6758	-4.2071	1.0635	3.0744	-0.0266	-0.7364	0.7326	-1.4690	-0.2866
178	57.44	0.07	14.6224	-4.0725	0.9785	3.2721	0.0004	-0.7409	0.7335	-1.4624	-0.2785
179	57.57	0.08	14.4750	-3.8278	1.2221	2.8499	0.0067	-0.7224	0.7291	-1.4515	-0.2644
180	57.74	0.06	14.7354	-4.1398	1.2065	2.8893	0.0014	-0.7417	0.7426	-1.4843	-0.2809
181	57.88	0.05	14.5577	-4.0074	0.8503	2.9722	0.0091	-0.7271	0.7376	-1.4644	-0.2757
182	58.02	0.06	14.7703	-4.1557	1.0355	2.8408	0.0104	-0.7144	0.7516	-1.4660	-0.2638
183	58.18	0.07	14.5157	-3.8017	1.0664	2.7027	-0.0047	-0.7455	0.7366	-1.4827	-0.2619
184	58.26	0.08	14.6262	-4.1558	1.1954	2.5226	-0.0106	-0.7492	0.7472	-1.4874	-0.2633

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	WACH	RAIG-6	PHI	CONF	L	DECT	DELZ	DEL3	DECT	TRANSITION
7	118	0.80	1.7	C.C. BINOFS	C.C.	U	-30	U	-30	UNKNOWN

PLINT	ALPHA	BETA	LN	CLN	CY	CLN	CLL	CA	CAE	CAF	XCP
185	56.25	0.55	14.5439	-4.1210	0.9467	2.5191	0.0255	-0.7506	0.7487	-1.4793	-0.2833

PAGE 2 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACT-RX10-E												
7			118 0.00 1.7		PHI CNF		L		DEL1 DEL2 DEL3 DEL4 TRANSITION			
			0.0 0.10CF31 0.0		0 -30		0 -30		UNKNOWN			
FLINT	ALPHA	BETA	CNF1	CHI	LSI	ACPF1	YCPF1	CNF2	CP2	CB2	XCPF2	YCPF2
1	-5.51	0.00	-0.0054	0.0027	0.0024	-0.2872	-0.2553	-1.1673	-0.0377	-0.4874	0.0323	0.4175
2	-5.50	-0.01	-0.0024	0.0014	0.0042	-0.5033	-2.0000	-1.1119	-0.0321	-0.4614	0.0288	0.4146
3	-5.50	0.02	-0.0040	0.0020	0.0044	-0.5000	-1.1000	-1.1211	-0.0329	-0.4660	0.0293	0.4156
4	-5.50	0.02	-0.0070	0.0021	0.0032	-0.5000	-0.4571	-1.1474	-0.0362	-0.4761	0.0315	0.4146
5	-5.49	0.02	-0.0054	0.0013	0.0036	-0.2407	-0.7037	-1.1178	-0.0324	-0.4650	0.0250	0.4160
6	-5.51	0.02	-0.0031	0.0013	0.0044	-0.4194	-0.4193	-1.1263	-0.0326	-0.4691	0.0269	0.4163
7	-5.50	0.02	-0.0046	0.0014	0.0035	-0.3043	-0.8476	-1.1254	-0.0334	-0.4698	0.0255	0.4156
8	-5.00	0.02	-0.0060	0.0035	0.0026	-0.4375	-0.3500	-1.1734	-0.0400	-0.4502	0.0341	0.4178
9	-4.96	0.02	-0.0032	0.0027	0.0042	-0.6250	-1.3125	-1.1814	-0.0413	-0.4578	0.0345	0.4214
10	-5.20	0.02	-0.0064	0.0016	0.0051	-2.0000	-5.6667	-1.1366	-0.0336	-0.4571	0.0295	0.4366
11	-1.64	0.02	-0.0030	0.0014	0.0034	-0.4667	-1.1333	-1.0855	-0.0256	-0.4623	0.0235	0.4427
12	-1.36	0.02	-0.0007	0.0016	0.0034	-2.2657	-4.6571	-1.0775	-0.0246	-0.4776	0.0230	0.4432
13	-0.30	0.02	-0.0005	0.0012	0.0025	-2.4000	-4.6000	-1.0309	-0.0220	-0.4620	0.0214	0.4482
14	1.36	0.02	0.0032	0.0013	0.0037	0.4603	1.1263	-0.9362	-0.0216	-0.4284	0.0231	0.4566
15	3.14	0.02	0.0025	0.0017	0.0035	0.4000	1.4000	-0.8505	-0.0219	-0.3532	0.0258	0.4623
16	4.77	0.02	0.0010	0.0006	0.0036	0.6000	3.0000	-0.7632	-0.0217	-0.3555	0.0285	0.4655
17	6.50	0.02	0.0024	0.0010	0.0045	0.4163	1.8750	-0.6740	-0.0189	-0.3155	0.0281	0.4682
18	8.23	0.02	-0.0024	0.0006	0.0056	-0.3333	-2.3333	-0.5926	-0.0172	-0.2602	0.0251	0.4728
19	9.90	0.02	-0.0020	0.0005	0.0083	-0.4500	-0.1500	-0.5070	-0.0149	-0.2375	0.0294	0.4684
20	11.69	0.02	-0.0041	0.0005	0.0068	-0.2145	-1.0585	-0.4265	-0.0124	-0.2016	0.0291	0.4704
21	13.40	0.02	-0.0133	0.0013	0.0045	-0.5577	-0.3664	-0.3491	-0.0108	-0.1630	0.0310	0.4670
22	15.17	0.02	-0.0148	0.0007	0.0053	-0.0413	-0.3501	-0.2765	-0.0094	-0.1269	0.0338	0.4626
23	16.99	0.02	-0.0082	0.0011	0.0081	-0.1341	-0.9878	-0.2026	-0.0077	-0.0569	0.0381	0.4782
24	18.74	0.01	-0.0058	0.0006	0.0142	-0.1375	-2.4483	-0.1455	-0.0062	-0.0705	0.0427	0.4688
25	20.53	0.01	-0.0188	0.0001	0.0202	0.0053	-1.0745	-0.3956	-0.0031	-0.0457	0.0325	0.4780
26	22.37	0.00	-0.0367	0.0013	0.0178	0.0337	-0.4611	-0.0697	0.0014	-0.0325	-0.0201	0.4655
27	24.17	-0.00	-0.0435	0.0007	0.0088	0.0160	-0.2005	-0.3393	0.0062	-0.0161	-0.2053	0.5553
28	25.95	0.00	-0.0139	0.0011	0.0058	-0.0791	-0.7050	0.0044	0.0130	-0.0053	2.9545	-1.2045
29	27.79	0.05	0.1240	0.0071	0.0755	0.0574	0.6071	0.0536	0.0200	0.0654	0.3738	0.1757
30	28.12	0.05	0.0606	0.0072	0.0407	0.1106	0.0007	0.0400	0.0201	0.0042	0.5038	0.1053
31	28.42	0.06	0.1535	0.0104	0.0600	0.0677	0.5716	0.0634	0.0213	0.0124	0.3365	0.1559
32	28.60	0.06	0.1123	0.0065	0.0753	0.0610	0.6695	0.0615	0.0221	0.0116	0.3556	0.1885
33	29.01	0.05	0.1163	0.0081	0.0756	0.0686	0.6386	0.0672	0.0230	0.0135	0.3428	0.2072
34	29.33	0.07	0.1617	0.0127	0.1005	0.0700	0.5532	0.0848	0.0240	0.0204	0.2837	0.2470
35	29.61	0.07	0.1461	0.0116	0.0686	0.0796	0.5995	0.0811	0.0252	0.0157	0.3103	0.2435
36	29.80	0.06	0.1465	0.0124	0.0644	0.0637	0.5682	0.0635	0.0254	0.0206	0.3097	0.2473
37	30.17	0.08	0.1507	0.0130	0.1020	0.0546	0.5349	0.1008	0.0275	0.0271	0.2724	0.2684
38	30.44	0.09	0.1435	0.0166	0.1037	0.0572	0.5349	0.1093	0.0283	0.0306	0.2585	0.2796
39	30.70	0.08	0.2259	0.0241	0.1134	0.1051	0.4935	0.1177	0.0293	0.0356	0.2485	0.3021
40	30.98	0.07	0.0681	0.0152	0.0636	0.2824	0.6397	0.0667	0.0312	0.0215	0.3555	0.2486
41	31.25	0.07	0.1335	0.0266	0.0725	0.1598	0.5549	0.1008	0.0322	0.0283	0.3191	0.2803
42	31.53	0.06	0.1113	0.0263	0.0561	0.2538	0.5032	0.1021	0.0334	0.0265	0.3268	0.2826
43	31.79	0.07	0.0533	0.0292	0.0546	0.3126	0.5354	0.1044	0.0345	0.0296	0.3301	0.2831
44	32.06	0.08	0.0362	0.0261	0.0623	0.0624	0.7402	0.1009	0.0351	0.0280	0.3476	0.2771
45	32.32	0.07	0.0623	0.0252	0.0364	0.4678	0.6158	0.1133	0.0362	0.0332	0.3192	0.2527
46	32.57	0.07	0.0461	0.0334	0.0511	0.3472	0.5518	0.1234	0.0370	0.0369	0.2998	0.2989

PAGE 2 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO-6			PHI CCF1 L		DELT DEL2 DEL3 DEL4 TRANSITION							
7 110 C.80 1.7			C.C 810CF31 C.C		0 -30 0 -30 UNKNOWN							
FCINT	ALPHA	BETA	CNF1	CHI	COI	ACPF1	YCPF1	CNF2	CH2	CO2	XCPF2	YCPF2
47	32.84	0.09	0.1307	0.0354	0.0630	0.2707	0.4324	0.1430	0.0379	0.0451	0.2649	0.3153
48	33.10	0.11	0.1253	0.0364	0.0600	0.1922	0.4154	0.1650	0.0362	0.0562	0.2313	0.3408
49	33.34	0.10	0.1742	0.0457	0.0782	0.2624	0.4486	0.1629	0.0394	0.0551	0.2417	0.3383
50	33.60	0.11	0.1516	0.0434	0.0711	0.2858	0.4666	0.1661	0.0403	0.0556	0.2425	0.3356
51	33.84	0.11	0.1357	0.0405	0.0663	0.2984	0.4889	0.1658	0.0413	0.0566	0.2489	0.3414
52	34.08	0.10	0.1466	0.0422	0.0675	0.3208	0.4834	0.1713	0.0425	0.0608	0.2354	0.3421
53	34.35	0.11	0.1447	0.0435	0.0666	0.3033	0.4505	0.1654	0.0430	0.0643	0.2319	0.3476
54	34.59	0.12	0.1476	0.0465	0.0683	0.3313	0.4630	0.1845	0.0431	0.0635	0.2336	0.3466
55	34.82	0.12	0.1443	0.0504	0.0670	0.3453	0.4646	0.1895	0.0436	0.0654	0.2300	0.3453
56	35.07	0.12	0.1447	0.0533	0.0665	0.3684	0.4598	0.2014	0.0442	0.0695	0.2154	0.3453
57	35.32	0.13	0.1352	0.0607	0.0640	0.4363	0.4600	0.2035	0.0444	0.0741	0.2129	0.3551
58	35.54	0.13	0.1556	0.0523	0.0741	0.3277	0.4639	0.2208	0.0453	0.0764	0.2052	0.3556
59	35.79	0.12	0.1713	0.0505	0.0765	0.2549	0.4582	0.2380	0.0455	0.0859	0.1945	0.3635
60	36.01	0.12	0.2261	0.0556	0.1052	0.1751	0.4654	0.2633	0.0459	0.0996	0.1743	0.3796
61	36.24	0.12	0.2008	0.0425	0.0536	0.2136	0.4661	0.2569	0.0465	0.0971	0.1756	0.3756
62	36.46	0.12	0.1507	0.0464	0.0672	0.2433	0.4572	0.2672	0.0474	0.1007	0.1774	0.3768
63	36.72	0.12	0.1741	0.0462	0.0777	0.2665	0.4514	0.2697	0.0481	0.1020	0.1784	0.3783
64	36.95	0.12	0.1606	0.0475	0.0638	0.2653	0.4639	0.2650	0.0484	0.1041	0.1658	0.3825
65	37.16	0.12	0.1215	0.0500	0.0556	0.4100	0.4560	0.2718	0.0496	0.1027	0.1825	0.3775
66	37.43	0.12	0.1669	0.0517	0.0576	0.4076	0.4542	0.2915	0.0497	0.1115	0.1705	0.3826
67	37.65	0.12	0.0356	0.0504	0.0220	1.4090	0.6162	0.2647	0.0507	0.0961	0.1515	0.3706
68	37.89	0.12	0.0510	0.0514	0.0290	1.0675	0.4892	0.2723	0.0510	0.1025	0.1673	0.3765
69	38.14	0.12	-0.0053	0.0470	0.0012	-5.0430	-0.7290	0.2601	0.0517	0.0961	0.1568	0.3654
70	38.38	0.10	-0.0601	0.0351	-0.0161	-0.6500	0.3017	0.2557	0.0523	0.0937	0.2043	0.3664
71	38.63	0.10	-0.0648	0.0311	-0.0175	-0.3664	0.2116	0.2495	0.0520	0.0891	0.2681	0.3555
72	38.84	0.09	-0.0457	0.0258	-0.0175	-0.2583	0.1799	0.2384	0.0520	0.0895	0.2612	0.3633
73	39.04	0.10	-0.0563	0.0225	-0.0155	-0.2383	0.1655	0.2637	0.0512	0.0963	0.1941	0.3651
74	39.26	0.09	-0.1165	0.0147	-0.0190	-0.1264	0.1634	0.2639	0.0508	0.0943	0.1925	0.3573
75	39.46	0.08	-0.1325	0.0175	-0.0318	-0.1320	0.2391	0.2725	0.0510	0.0981	0.1672	0.3601
76	39.67	0.09	-0.1227	0.0165	-0.0267	-0.1544	0.2337	0.2675	0.0514	0.1043	0.1788	0.3628
77	39.89	0.09	-0.0580	0.0257	-0.0255	-0.3027	0.2638	0.3010	0.0521	0.1110	0.1731	0.3686
78	40.08	0.10	0.0057	0.0461	0.0090	4.7423	0.4278	0.3259	0.0520	0.1238	0.1596	0.3798
79	40.27	0.10	0.0100	0.0473	0.0137	2.9500	0.8562	0.3320	0.0520	0.1250	0.1567	0.3764
80	40.46	0.11	0.0441	0.0467	0.0224	1.1045	0.5091	0.3413	0.0527	0.1286	0.1544	0.3767
81	40.70	0.11	0.0100	0.0461	0.0055	4.8000	0.9900	0.3404	0.0526	0.1285	0.1545	0.3774
82	40.85	0.10	0.0154	0.0467	0.0128	3.0260	0.8312	0.3447	0.0526	0.1303	0.1526	0.3775
83	41.11	0.11	0.0005	0.0475	0.0035	55.6000	7.0300	0.3448	0.0523	0.1302	0.1517	0.3775
84	41.31	0.10	0.0062	0.0466	0.0141	5.9140	0.5030	0.3524	0.0527	0.1330	0.1456	0.3773
85	41.50	0.10	0.0114	0.0505	0.0080	4.4210	0.7018	0.3634	0.0524	0.1385	0.1434	0.3785
86	41.70	0.11	-0.0002	0.0435	-0.0053	-1.4551	0.1761	0.3675	0.0515	0.1362	0.1402	0.3761
87	41.90	0.10	-0.0366	0.0440	-0.0112	-1.2027	0.3178	0.3662	0.0527	0.1379	0.1435	0.3765
88	42.10	0.11	-0.0061	0.0450	0.0044	-0.0164	-0.7213	0.3644	0.0521	0.1462	0.1356	0.3803
89	42.29	0.12	-0.0232	0.0447	0.0018	-1.9224	-0.0776	0.3872	0.0518	0.1454	0.1338	0.3755
90	42.47	0.12	-0.0257	0.0466	-0.0071	-1.5777	0.2594	0.3870	0.0524	0.1466	0.1354	0.3788
91	42.66	0.12	-0.0362	0.0425	-0.0052	-1.1745	0.1440	0.3983	0.0516	0.1512	0.1296	0.3796
92	42.85	0.12	-0.0254	0.0425	-0.0026	-1.4471	0.0056	0.4034	0.0519	0.1534	0.1287	0.3803

PAGE 2 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME		REF	PHI	CNF	DEL1	DEL2	DEL3	DEL4	TRANSITION			
110 0.06 1.7			0.0	510431	0.0	0	-30	0	-30 UNKNOWN			
PCINT	ALPHA	BETA	CNF1	CH1	CB1	ALFF1	YCPF1	CNF2	CH2	Cc2	XCPF2	YCPF2
93	43.01	0.11	-0.0317	C.0370	-0.0027	-0.9500	0.0699	0.4130	0.0509	0.1582	0.1232	0.3831
94	43.20	0.12	-0.0158	C.0405	-0.0030	-2.3030	0.1515	0.4128	0.0519	0.1580	0.1257	0.3828
95	43.34	0.11	-0.0203	C.0440	-0.0002	-2.1415	-0.0098	0.4206	0.0520	0.1600	0.1237	0.3805
96	43.58	0.12	-0.0303	C.0441	-0.0045	-1.4504	0.1490	0.4215	0.0517	0.1604	0.1227	0.3808
97	43.74	0.13	-0.0247	C.0357	C.0013	-1.0090	-0.0526	0.4308	0.0509	0.1602	0.1160	0.3834
98	43.93	0.12	-0.0255	C.0375	C.0015	-1.4490	0.0501	0.4307	0.0510	0.1600	0.1170	0.3799
99	44.11	0.12	-0.0075	C.0356	C.0001	-5.2867	-1.3467	0.4526	0.0507	0.1746	0.1120	0.3857
100	44.30	0.13	-0.0040	C.0420	C.0090	-10.0250	-2.4000	0.4500	0.0503	0.1708	0.1097	0.3654
101	44.49	0.13	0.0182	C.0452	C.0174	2.4780	0.9560	0.4636	0.0506	0.1793	0.1091	0.3866
102	44.68	0.14	0.0042	C.0422	C.0034	10.0430	0.1905	0.4671	0.0507	0.1797	0.1086	0.3847
103	44.86	0.15	0.0320	C.0472	C.0237	1.4705	0.7429	0.4782	0.0507	0.1831	0.1060	0.3825
104	45.03	0.13	0.0240	C.0454	C.0204	1.0075	0.6500	0.4765	0.0507	0.1829	0.1064	0.3838
105	45.21	0.14	0.0338	C.0424	C.0054	1.2552	0.8694	0.4938	0.0498	0.1904	0.1009	0.3856
106	45.39	0.13	0.0075	C.0380	C.0183	0.0533	2.4400	0.4815	0.0506	0.1854	0.1055	0.3650
107	45.56	0.12	0.0157	C.0432	C.0200	2.1678	1.0152	0.4935	0.0507	0.1905	0.1027	0.3860
108	45.73	0.12	-0.0050	C.0378	C.0114	-7.5400	-2.3800	0.4848	0.0510	0.1857	0.1064	0.3630
109	45.92	0.13	0.0317	C.0352	C.0023	1.2373	1.0190	0.5021	0.0506	0.1932	0.1008	0.3848
110	46.09	0.12	0.0405	C.0357	C.0327	0.9700	0.7990	0.5055	0.0507	0.1945	0.1003	0.3847
111	46.28	0.12	0.0005	C.0427	C.0000	0.7033	0.6705	0.5183	0.0501	0.2003	0.0987	0.3865
112	46.43	0.12	0.0553	C.0415	C.0345	0.7572	0.7138	0.5181	0.0506	0.2011	0.0977	0.3882
113	46.60	0.11	0.0370	C.0400	C.0305	1.0743	0.8170	0.5161	0.0509	0.1997	0.0983	0.3855
114	46.79	0.11	0.0320	C.0377	C.0312	1.1707	0.9749	0.5233	0.0505	0.2025	0.0965	0.3870
115	46.97	0.12	0.0104	C.0350	C.0245	3.3558	2.3461	0.5214	0.0510	0.2021	0.0978	0.3877
116	47.13	0.13	0.0275	C.0356	C.0321	1.2650	1.1079	0.5352	0.0505	0.2076	0.0944	0.3865
117	47.30	0.11	-0.0047	C.0360	C.0150	-0.4894	-4.1702	0.5273	0.0512	0.2045	0.0971	0.3875
118	47.48	0.11	0.0032	C.0321	C.0238	10.0000	7.4375	0.5310	0.0511	0.2057	0.0961	0.3870
119	47.66	0.10	-0.0075	C.0285	C.0150	-3.0400	-2.6400	0.5269	0.0517	0.2052	0.0978	0.3860
120	47.82	0.12	-0.0050	C.0304	C.0225	-0.0000	-4.5000	0.5419	0.0508	0.2113	0.0938	0.3900
121	47.98	0.06	-0.0529	C.0217	C.0024	-0.4110	-0.0455	0.5149	0.0532	0.1987	0.1033	0.3855
122	48.16	0.09	-0.0023	C.0216	-0.0032	-0.3505	0.0514	0.5103	0.0531	0.2002	0.1029	0.3878
123	48.32	0.05	-0.0022	C.0205	-0.0015	-0.3301	0.0306	0.5230	0.0537	0.2029	0.1027	0.3880
124	48.50	0.07	-0.1003	C.0160	-0.0225	-0.1527	0.2107	0.5039	0.0540	0.1904	0.1073	0.3859
125	48.65	0.08	-0.1160	C.0155	-0.0280	-0.1364	0.2393	0.5164	0.0544	0.2012	0.1050	0.3882
126	48.83	0.08	-0.1050	C.0145	-0.0201	-0.1384	0.1318	0.5217	0.0546	0.2020	0.1047	0.3884
127	49.00	0.05	-0.1546	C.0112	-0.0388	-0.0720	0.2495	0.5209	0.0547	0.2008	0.1050	0.3855
128	49.18	0.06	-0.0003	C.0207	C.0252	-5.3333	-83.0007	0.5579	0.0522	0.2152	0.0936	0.3930
129	49.33	0.05	-0.2244	C.0057	-0.0007	-0.0433	0.3595	0.5182	0.0550	0.2003	0.1062	0.3866
130	49.53	0.05	-0.0047	C.0100	-0.0071	-0.2225	0.0040	0.5354	0.0545	0.2064	0.1018	0.3856
131	49.71	0.05	-0.1532	C.0101	-0.0360	-0.1211	0.2701	0.5318	0.0552	0.2042	0.1030	0.3860
132	49.87	0.06	-0.1500	0.0125	-0.0000	-0.0057	0.3149	0.5307	0.0548	0.2081	0.1017	0.3863
133	50.02	0.02	-0.2055	C.0072	-0.1025	-0.0267	0.3799	0.5397	0.0544	0.2078	0.1008	0.3851
134	50.20	0.03	-0.2000	C.0065	-0.0970	-0.0270	0.3491	0.5437	0.0549	0.2059	0.1010	0.3861
135	50.37	0.02	-0.2734	C.0061	-0.1042	-0.0224	0.3812	0.5533	0.0549	0.2153	0.0975	0.3894
136	50.54	0.01	-0.2907	C.0013	-0.1173	-0.0044	0.3955	0.5624	0.0550	0.2182	0.0978	0.3881
137	50.70	0.02	-0.2833	C.0038	-0.1155	-0.0134	0.4079	0.5710	0.0545	0.2231	0.0955	0.3907
138	50.87	0.03	-0.2554	C.0015	-0.0905	-0.0059	0.3794	0.5650	0.0534	0.2261	0.0913	0.3864

PAGE 2 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME AXIS-6				PHI	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 118 C-60 1.7				0.0	0.100F31	C-6	0	-30	0	-30	UNKNOWN	
FLINT	ALPHA	BETA	CONF	CHI	DEL1	YLPF1	YLPF1	CONF2	CHI2	YLPF2	YLPF2	
139	51.04	0.03	-0.2923	-0.0024	-0.1158	-0.0082	0.3963	0.5900	0.0531	0.2313	0.0900	0.3520
140	51.21	0.05	-0.1042	-0.0027	-0.0456	-0.0103	0.2784	0.5801	0.0557	0.2103	0.0995	0.3755
141	51.38	0.05	-0.1065	-0.0008	-0.0505	-0.0068	0.3049	0.5670	0.0558	0.2135	0.0984	0.3773
142	51.55	0.07	-0.0442	-0.0147	-0.0004	-0.3333	-0.1451	0.5545	0.0579	0.2073	0.1044	0.3739
143	51.71	0.07	-0.0482	-0.0100	-0.0033	-0.3409	0.0076	0.5522	0.0579	0.2103	0.1030	0.3742
144	51.90	0.09	-0.0281	-0.0245	-0.0000	-0.0075	-0.2057	0.5012	0.0501	0.2069	0.1036	0.3723
145	52.06	0.07	-0.0226	-0.0242	-0.0053	-1.0708	-0.4115	0.5783	0.0582	0.2168	0.1007	0.3750
146	52.24	0.09	-0.0050	-0.0236	-0.0070	-0.4299	0.1384	0.5916	0.0589	0.2235	0.0996	0.3777
147	52.41	0.10	-0.0205	-0.0331	-0.0014	-1.2513	0.0522	0.5542	0.0587	0.2261	0.0988	0.3804
148	52.57	0.08	-0.0065	-0.0209	-0.0104	-0.4589	0.2608	0.6205	0.0586	0.2392	0.0945	0.3855
149	52.75	0.08	-0.0775	-0.0253	-0.0233	-0.3243	0.2999	0.6258	0.0594	0.2414	0.0950	0.3857
150	52.92	0.08	-0.0053	-0.0277	-0.0203	-0.4233	0.3113	0.6197	0.0600	0.2382	0.0965	0.3844
151	53.08	0.09	-0.1010	-0.0205	-0.0346	-0.2034	0.3423	0.6314	0.0538	0.2445	0.0932	0.3872
152	53.25	0.08	-0.1551	-0.0034	-0.0555	-0.2220	0.3805	0.6744	0.0562	0.2036	0.0834	0.3909
153	53.40	0.05	-0.1958	-0.0115	-0.0715	-0.0615	0.3652	0.6794	0.0555	0.2050	0.0617	0.3501
154	53.58	0.10	-0.1902	-0.0165	-0.0687	-0.0675	0.3814	0.7105	0.0533	0.2788	0.0750	0.3524
155	53.74	0.05	-0.1734	-0.0222	-0.0616	-0.1283	0.3555	0.7314	0.0513	0.2852	0.0701	0.3899
156	53.90	0.09	-0.1064	-0.0636	-0.0575	0.1421	0.3456	0.7407	0.0517	0.2405	0.0698	0.3522
157	54.07	0.09	-0.1505	-0.0275	-0.0485	-0.1824	0.3039	0.7392	0.0520	0.2842	0.0704	0.3844
158	54.25	0.05	-0.1203	-0.0242	-0.0400	-0.1691	0.3104	0.7310	0.0534	0.2762	0.0731	0.3778
159	54.42	0.10	-0.1240	-0.0260	-0.0380	-0.2084	0.3049	0.7376	0.0534	0.2779	0.0724	0.3767
160	54.58	0.10	-0.0731	-0.0145	-0.0180	-0.2720	0.2948	0.7100	0.0544	0.2041	0.0759	0.3688
161	54.73	0.05	-0.0555	-0.0176	-0.0132	-0.2543	0.2207	0.6991	0.0553	0.2537	0.0751	0.3629
162	54.92	0.06	-0.0553	-0.0134	-0.0050	-0.3807	0.1420	0.6991	0.0554	0.2530	0.0793	0.3616
163	55.09	0.08	-0.0554	-0.0180	-0.0118	-0.3087	0.2024	0.7114	0.0548	0.2582	0.0771	0.3630
164	55.24	0.08	-0.0661	-0.0165	-0.0150	-0.2561	0.2273	0.6981	0.0561	0.2506	0.0804	0.3590
165	55.40	0.08	-0.0409	-0.0134	-0.0080	-0.2863	0.1709	0.6992	0.0552	0.2510	0.0790	0.3590
166	55.57	0.05	-0.0514	-0.0153	-0.0070	-0.2582	0.1481	0.7044	0.0554	0.2528	0.0787	0.3585
167	55.73	0.05	-0.0252	-0.0127	-0.0022	-0.4364	-0.0756	0.7075	0.0554	0.2524	0.0783	0.3565
168	55.89	0.05	-0.0453	-0.0144	-0.0081	-0.2527	0.1240	0.7129	0.0562	0.2504	0.0785	0.3597
169	56.05	0.08	-0.0546	-0.0145	-0.0071	-0.2651	0.1296	0.7113	0.0557	0.2538	0.0783	0.3565
170	56.18	0.09	-0.0427	-0.0140	-0.0023	-0.3286	0.0540	0.7202	0.0548	0.2575	0.0761	0.3576
171	56.35	0.08	-0.0437	-0.0132	-0.0018	-0.3028	0.0413	0.7131	0.0561	0.2525	0.0787	0.3547
172	56.52	0.10	-0.0412	-0.0145	-0.0012	-0.3520	0.0242	0.7199	0.0561	0.2573	0.0780	0.3575
173	56.65	0.05	-0.0412	-0.0145	-0.0004	-0.3625	-0.0097	0.7150	0.0559	0.2534	0.0782	0.3544
174	56.82	0.06	-0.0187	-0.0115	-0.0003	-0.0304	-0.4450	0.7098	0.0560	0.2512	0.0789	0.3536
175	56.95	0.08	-0.0333	-0.0113	-0.0025	-0.3404	-0.0753	0.7025	0.0572	0.2480	0.0814	0.3530
176	57.16	0.08	-0.0250	-0.0123	-0.0000	-0.4440	-0.2731	0.7026	0.0571	0.2456	0.0813	0.3495
177	57.30	0.07	-0.0415	-0.0121	-0.0000	-0.2523	-0.0145	0.7218	0.0568	0.2567	0.0787	0.3557
178	57.44	0.07	-0.0154	-0.0121	-0.0001	-0.6237	-0.4175	0.7059	0.0568	0.2455	0.0800	0.3501
179	57.57	0.06	-0.0124	-0.0088	-0.0107	-0.7097	-0.8629	0.7013	0.0575	0.2447	0.0820	0.3485
180	57.74	0.08	-0.0180	-0.0113	-0.0067	-0.6011	-0.4028	0.7030	0.0574	0.2462	0.0817	0.3502
181	57.88	0.05	-0.0144	-0.0101	-0.0058	-0.7014	-0.6806	0.7113	0.0573	0.2500	0.0806	0.3519
182	58.02	0.00	-0.0181	-0.0106	-0.0092	-0.5567	-0.5083	0.7192	0.0589	0.2526	0.0791	0.3513
183	58.18	0.07	-0.0225	-0.0056	-0.0053	-0.3636	-0.2008	0.7178	0.0573	0.2521	0.0795	0.3512
184	58.26	0.06	-0.0152	-0.0111	-0.0065	-0.5701	-0.3594	0.7216	0.0570	0.2545	0.0790	0.3527

PAGE 2 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RAIO	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	118	0.00	1.7	0.0	0.0	0	-30	0	-30	UNKNOWN

POINT	ALPHA	BETA	CMFA	CM1	CM2	XCFF1	YCPF1	CMF2	CM2	CM2	XCFF2	YCPF2
1a5	58.25	0.05	-0.016	-0.009	0.017	0.833	-1.033	0.711	0.051	0.249	0.080	0.350

PAGE 3 OF 3
 SHEET 1 OF 5

MANTHA PASSAGE TAILS EFFECTS DATA

TEST PART		MACH	REYNOLDS	PR1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1		11d	0.80	1.7	0.0	0.10CF31	0.0	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CNF3	CH3	CH3	XCFF3	YCFF3	CNF4	CH4	CH4	XCFF4	YCFF4
1	-5.51	0.00	0.0000	5.9999	0.0076	5.9999	1.2667	-1.1168	-0.0358	-0.4452	0.0320	0.3987
2	-5.50	0.01	0.0004	5.9999	0.0077	5.9999	-1.7907	-1.1300	-0.0367	-0.4507	0.0325	0.3989
3	-5.50	0.02	0.0012	5.9999	0.0078	5.9999	-6.3333	-1.1253	-0.0361	-0.4479	0.0321	0.3980
4	-5.50	0.02	0.0012	5.9999	0.0079	5.9999	-0.5833	-1.1300	-0.0369	-0.4538	0.0325	0.3999
5	-5.49	0.02	0.0043	5.9999	0.0071	5.9999	-1.6512	-1.1200	-0.0361	-0.4472	0.0322	0.3993
6	-5.51	0.02	0.0036	5.9999	0.0067	5.9999	-2.4167	-1.1367	-0.0366	-0.4556	0.0336	0.4001
7	-5.50	0.02	0.0043	5.9999	0.0077	5.9999	-1.7907	-1.1362	-0.0375	-0.4537	0.0330	0.3993
8	-5.66	0.02	0.0041	5.9999	0.0081	5.9999	0.8901	-1.1200	-0.0373	-0.4475	0.0336	0.3997
9	-4.98	0.02	0.0020	5.9999	0.0064	5.9999	-4.7000	-1.1959	-0.0460	-0.4808	0.0385	0.4020
10	-5.26	0.02	0.0016	5.9999	0.0112	5.9999	6.2222	-1.1638	-0.0377	-0.4775	0.0324	0.4103
11	-1.64	0.02	0.0011	5.9999	0.0103	5.9999	9.3536	-1.1078	-0.0312	-0.4621	0.0281	0.4172
12	-1.58	0.02	0.0009	5.9999	0.0104	5.9999	-20.8000	-1.0955	-0.0310	-0.4579	0.0283	0.4186
13	-0.30	0.02	0.0003	5.9999	0.0102	5.9999	36.0000	-1.0376	-0.0281	-0.4407	0.0270	0.4247
14	1.38	0.02	0.0026	5.9999	0.0115	5.9999	4.5769	-0.9939	-0.0270	-0.4060	0.0283	0.4278
15	3.14	0.02	0.0022	5.9999	0.0128	5.9999	4.9231	-0.9641	-0.0275	-0.3725	0.0318	0.4311
16	4.77	0.02	0.0016	5.9999	0.0126	5.9999	7.1111	-0.7795	-0.0254	-0.3371	0.0325	0.4324
17	6.50	0.02	0.0010	5.9999	0.0124	5.9999	12.4000	-0.6542	-0.0231	-0.2964	0.0333	0.4298
18	8.23	0.02	0.0007	5.9999	0.0136	5.9999	-19.7143	-0.6065	-0.0203	-0.2619	0.0335	0.4319
19	9.50	0.02	0.0003	5.9999	0.0105	5.9999	-2.8376	-0.5237	-0.0172	-0.2246	0.0328	0.4272
20	11.69	0.02	0.0026	5.9999	0.0126	5.9999	4.9231	-0.4439	-0.0151	-0.1885	0.0341	0.4255
21	13.40	0.02	0.0050	5.9999	0.0105	5.9999	2.1500	-0.3513	-0.0132	-0.1505	0.0376	0.4284
22	15.17	0.02	0.0060	5.9999	0.0102	5.9999	1.1333	-0.2858	-0.0106	-0.1164	0.0372	0.4074
23	16.99	0.02	0.0055	5.9999	0.0088	5.9999	0.6585	-0.2133	-0.0088	-0.0762	0.0413	0.3664
24	18.79	0.01	0.0059	5.9999	0.0074	5.9999	0.7273	-0.1398	-0.0065	-0.0476	0.0466	0.3405
25	20.58	0.01	0.0030	5.9999	0.0036	5.9999	1.2000	-0.0692	-0.0037	-0.0186	0.0535	0.2652
26	22.37	0.00	0.0023	5.9999	0.0023	5.9999	1.0000	-0.0211	0.0019	0.0014	-0.0900	-0.0664
27	24.17	-0.00	0.0015	5.9999	0.0023	5.9999	1.5333	-0.0020	0.0084	0.0050	-4.2000	-4.5000
28	25.95	0.00	0.0043	5.9999	0.0041	5.9999	0.4405	0.0046	0.0141	0.0113	3.0652	2.4565
29	27.79	0.05	0.0223	5.9999	0.0147	5.9999	0.5611	0.0053	0.0186	0.0098	3.5054	1.8491
30	28.12	0.05	0.0266	5.9999	0.0155	5.9999	0.5439	0.0183	0.0186	0.0146	1.0273	0.8087
31	28.42	0.06	0.0302	5.9999	0.0159	5.9999	0.5282	0.0028	0.0154	0.0089	6.5286	3.1786
32	28.68	0.06	0.0332	5.9999	0.0165	5.9999	0.5710	0.0185	0.0208	0.0144	1.1005	0.7619
33	29.01	0.05	0.0348	5.9999	0.0154	5.9999	0.5591	0.0211	0.0213	0.0151	1.0055	0.7154
34	29.33	0.07	0.0365	5.9999	0.0181	5.9999	0.5077	0.0101	0.0217	0.0115	2.1485	1.1386
35	29.61	0.07	0.0332	5.9999	0.0185	5.9999	0.5710	0.0260	0.0233	0.0175	0.8351	0.6272
36	29.88	0.06	0.0355	5.9999	0.0200	5.9999	0.5050	0.0284	0.0238	0.0160	0.8410	0.6360
37	30.17	0.08	0.0359	5.9999	0.0210	5.9999	0.5552	0.0284	0.0247	0.0186	0.8693	0.8572
38	30.44	0.05	0.0402	5.9999	0.0236	5.9999	0.5935	0.0359	0.0282	0.0216	0.7250	0.6034
39	30.70	0.08	0.0441	5.9999	0.0258	5.9999	0.5441	0.0318	0.0260	0.0199	0.8170	0.8278
40	30.98	0.07	0.0185	5.9999	0.0123	5.9999	0.6049	0.0326	0.0277	0.0363	0.3807	0.4993
41	31.25	0.07	0.0278	5.9999	0.0183	5.9999	0.6806	0.0691	0.0276	0.0344	0.3986	0.4971
42	31.53	0.06	0.0301	5.9999	0.0197	5.9999	0.6067	0.0635	0.0292	0.0415	0.3493	0.4970
43	31.79	0.07	0.0271	5.9999	0.0170	5.9999	0.6296	0.0699	0.0295	0.0463	0.3138	0.4531
44	32.06	0.06	0.0230	5.9999	0.0163	5.9999	0.7007	0.1006	0.0306	0.0520	0.2814	0.4768
45	32.32	0.07	0.0215	5.9999	0.0155	5.9999	0.7395	0.1082	0.0311	0.0537	0.2870	0.4983
46	32.57	0.07	0.0253	5.9999	0.0202	5.9999	0.6916	0.1129	0.0317	0.0543	0.2804	0.4809

PAGE 3 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			PACB RXIC-6		PM1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7			118 0.80 1.7		C.C B10CF31		0.0	0	-30	0	-30	UNKNOWN
FCINT	ALPHA	BETA	CNF2	Cn3	Cn3	XCPF3	YCPF3	CNF4	Cn4	Cn4	XCPF4	YCPF4
47	32.86	0.09	0.0271	0.9999	0.0175	0.9999	0.8030	0.1109	0.0321	0.0534	0.2891	0.4813
48	33.10	0.11	0.0463	0.9999	0.0288	0.9999	0.8185	0.1034	0.0325	0.0487	0.3140	0.4709
49	33.34	0.10	0.0445	0.9999	0.0287	0.9999	0.8384	0.1177	0.0324	0.0549	0.2745	0.4664
50	33.60	0.11	0.0463	0.9999	0.0245	0.9999	0.8164	0.1238	0.0327	0.0561	0.2640	0.4698
51	33.84	0.11	0.0442	0.9999	0.0265	0.9999	0.8300	0.1375	0.0336	0.0647	0.2435	0.4655
52	34.08	0.10	0.0415	0.9999	0.0241	0.9999	0.8472	0.1479	0.0343	0.0605	0.2317	0.4634
53	34.35	0.11	0.0443	0.9999	0.0254	0.9999	0.8637	0.1572	0.0350	0.0736	0.2224	0.4676
54	34.59	0.12	0.0525	0.9999	0.0300	0.9999	0.8803	0.1639	0.0355	0.0764	0.2164	0.4688
55	34.82	0.12	0.0521	0.9999	0.0295	0.9999	0.8971	0.1683	0.0355	0.0768	0.2107	0.4675
56	35.07	0.12	0.0420	0.9999	0.0235	0.9999	0.9009	0.1701	0.0355	0.0793	0.2085	0.4656
57	35.32	0.13	0.0506	0.9999	0.0293	0.9999	0.9182	0.1948	0.0372	0.0913	0.1908	0.4686
58	35.54	0.13	0.0484	0.9999	0.0288	0.9999	0.9342	0.1821	0.0365	0.0854	0.2025	0.4685
59	35.79	0.12	0.0455	0.9999	0.0255	0.9999	0.9504	0.1848	0.0377	0.0854	0.2039	0.4647
60	36.01	0.12	0.0447	0.9999	0.0375	0.9999	0.9651	0.1897	0.0385	0.0798	0.2267	0.4695
61	36.24	0.12	0.0522	0.9999	0.0310	0.9999	0.9831	0.1720	0.0380	0.0801	0.2205	0.4658
62	36.48	0.12	0.0455	0.9999	0.0294	0.9999	0.9924	0.1857	0.0387	0.0873	0.2083	0.4700
63	36.72	0.12	0.0522	0.9999	0.0322	0.9999	0.9810	0.1994	0.0392	0.0937	0.1965	0.4698
64	36.95	0.12	0.0525	0.9999	0.0335	0.9999	0.9802	0.2076	0.0395	0.0972	0.1921	0.4681
65	37.16	0.12	0.0437	0.9999	0.0253	0.9999	0.9780	0.2286	0.0405	0.1068	0.1771	0.4761
66	37.43	0.12	0.0436	0.9999	0.0275	0.9999	0.9845	0.2506	0.0417	0.1187	0.1663	0.4738
67	37.65	0.12	0.0413	0.9999	0.0252	0.9999	0.9892	0.2962	0.0407	0.1437	0.1364	0.4815
68	37.89	0.12	0.0412	0.9999	0.0270	0.9999	0.9945	0.2993	0.0413	0.1437	0.1376	0.4801
69	38.14	0.12	0.0385	0.9999	0.0256	0.9999	0.9972	0.3452	0.0402	0.1668	0.1164	0.4833
70	38.38	0.10	0.0311	0.9999	0.0208	0.9999	0.9710	0.3651	0.0388	0.1875	0.1007	0.4865
71	38.60	0.10	0.0284	0.9999	0.0183	0.9999	0.9956	0.4226	0.0362	0.2076	0.0856	0.4913
72	38.82	0.09	0.0178	0.9999	0.0120	0.9999	0.9709	0.4500	0.0356	0.2193	0.0790	0.4874
73	39.04	0.10	0.0177	0.9999	0.0135	0.9999	0.7653	0.4629	0.0352	0.2275	0.0760	0.4913
74	39.28	0.09	0.0178	0.9999	0.0132	0.9999	0.7410	0.4893	0.0339	0.2406	0.0652	0.4917
75	39.48	0.08	0.0170	0.9999	0.0126	0.9999	0.7412	0.4873	0.0342	0.2395	0.0701	0.4915
76	39.67	0.09	0.0170	0.9999	0.0141	0.9999	0.8294	0.4907	0.0353	0.2432	0.0719	0.4956
77	39.89	0.09	0.0139	0.9999	0.0108	0.9999	0.7770	0.4650	0.0366	0.2282	0.0791	0.4907
78	40.08	0.10	0.0272	0.9999	0.0212	0.9999	0.7823	0.4603	0.0407	0.1565	0.1001	0.4846
79	40.27	0.10	0.0365	0.9999	0.0267	0.9999	0.7506	0.4122	0.0402	0.1555	0.0975	0.4840
80	40.48	0.11	0.0412	0.9999	0.0286	0.9999	0.8034	0.4146	0.0414	0.2004	0.0998	0.4833
81	40.70	0.11	0.0264	0.9999	0.0205	0.9999	0.7795	0.4317	0.0396	0.2053	0.0917	0.4849
82	40.89	0.10	0.0342	0.9999	0.0245	0.9999	0.7273	0.4301	0.0403	0.2091	0.0937	0.4863
83	41.11	0.11	0.0350	0.9999	0.0253	0.9999	0.7221	0.4479	0.0395	0.2181	0.0881	0.4870
84	41.31	0.10	0.0381	0.9999	0.0271	0.9999	0.7105	0.4405	0.0400	0.2165	0.0895	0.4850
85	41.50	0.10	0.0318	0.9999	0.0243	0.9999	0.7666	0.4686	0.0395	0.2276	0.0843	0.4857
86	41.70	0.11	0.0327	0.9999	0.0232	0.9999	0.7117	0.4501	0.0376	0.2301	0.0739	0.4922
87	41.90	0.10	0.0334	0.9999	0.0246	0.9999	0.7357	0.5172	0.0381	0.2455	0.0745	0.4880
88	42.10	0.11	0.0326	0.9999	0.0254	0.9999	0.7765	0.5154	0.0384	0.2515	0.0745	0.4886
89	42.29	0.12	0.0373	0.9999	0.0264	0.9999	0.7070	0.5513	0.0373	0.2681	0.0676	0.4884
90	42.47	0.12	0.0373	0.9999	0.0264	0.9999	0.7070	0.5577	0.0381	0.2609	0.0708	0.4853
91	42.66	0.12	0.0341	0.9999	0.0246	0.9999	0.7206	0.5553	0.0370	0.2722	0.0661	0.4886
92	42.85	0.12	0.0345	0.9999	0.0250	0.9999	0.7155	0.5681	0.0372	0.2755	0.0654	0.4849

PAGE 3 OF 3
 SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RXIC-E				PHI	CNPF	C	CEL1	DEL2	CEL3	CEL4	TRANSITION		
7 110 0.00 1.7				0.0	810CF31	0.0	0	-30	0	-30	UNKNOWN		
FCINT	ALPHA	BETA	CNF3	CM3	CM3	ACPF3	YCPF3	CNF4	CM4	CM4	ACPF4	YCPF4	
93	43.01	0.11	C.0341	5.9999	C.0255	5.9999	0.7471	0.5883	0.0366	0.2831	0.0622	0.4812	
94	43.20	0.12	C.0341	5.9999	C.0284	5.9999	0.7313	0.5809	0.0382	0.2752	0.0671	0.4837	
95	43.39	0.11	C.0341	5.9999	C.0245	5.9999	0.7294	0.5786	0.0376	0.2790	0.0650	0.4823	
96	43.58	0.12	C.0341	5.9999	C.0245	5.9999	0.7294	0.5876	0.0374	0.2842	0.0636	0.4836	
97	43.74	0.13	C.0341	5.9999	C.0278	5.9999	0.7284	0.6032	0.0378	0.2906	0.0626	0.4821	
98	43.93	0.12	C.0341	5.9999	C.0245	5.9999	0.7244	0.6043	0.0376	0.2915	0.0622	0.4823	
99	44.11	0.12	C.0341	5.9999	C.0245	5.9999	0.7052	0.6043	0.0375	0.2898	0.0620	0.4795	
100	44.30	0.13	C.0341	5.9999	C.0277	5.9999	0.7150	0.6075	0.0371	0.2931	0.0610	0.4821	
101	44.49	0.13	C.0341	5.9999	C.0255	5.9999	0.7453	0.6069	0.0381	0.2913	0.0627	0.4795	
102	44.68	0.14	C.0341	5.9999	C.0245	5.9999	0.6806	0.6117	0.0375	0.2930	0.0613	0.4790	
103	44.86	0.13	C.0341	5.9999	C.0302	5.9999	0.6968	0.6204	0.0376	0.2956	0.0606	0.4765	
104	45.03	0.13	C.0341	5.9999	C.0307	5.9999	0.7356	0.6255	0.0374	0.2951	0.0606	0.4782	
105	45.21	0.14	C.0341	5.9999	C.0235	5.9999	0.7355	0.6259	0.0374	0.2976	0.0597	0.4755	
106	45.39	0.13	C.0341	5.9999	0.0252	5.9999	0.7370	0.6354	0.0377	0.3024	0.0593	0.4756	
107	45.56	0.12	C.0341	5.9999	0.0283	5.9999	0.7325	0.6362	0.0378	0.3021	0.0594	0.4745	
108	45.73	0.12	C.0341	5.9999	C.0202	5.9999	0.7373	0.6425	0.0364	0.3046	0.0574	0.4741	
109	45.92	0.13	C.0341	5.9999	C.0307	5.9999	0.7217	0.6454	0.0370	0.3061	0.0565	0.4714	
110	46.09	0.12	C.0341	5.9999	C.0301	5.9999	0.7075	0.6470	0.0376	0.3036	0.0581	0.4696	
111	46.28	0.12	C.0341	5.9999	C.0251	5.9999	0.6640	0.6491	0.0376	0.3045	0.0575	0.4691	
112	46.43	0.12	C.0341	5.9999	C.0305	5.9999	0.7422	0.6499	0.0377	0.3045	0.0580	0.4692	
113	46.60	0.11	C.0341	5.9999	C.0265	5.9999	0.7154	0.6545	0.0376	0.3075	0.0574	0.4658	
114	46.79	0.11	C.0341	5.9999	C.0245	5.9999	0.7052	0.6637	0.0375	0.3100	0.0562	0.4672	
115	46.97	0.12	C.0341	5.9999	C.0271	5.9999	0.6735	0.6706	0.0374	0.3115	0.0557	0.4652	
116	47.13	0.13	C.0341	5.9999	C.0270	5.9999	0.6987	0.6632	0.0367	0.3078	0.0583	0.4642	
117	47.30	0.11	C.0341	5.9999	0.0260	5.9999	0.7663	0.6642	0.0365	0.3081	0.0579	0.4639	
118	47.48	0.11	C.0341	5.9999	C.0260	5.9999	0.6975	0.6693	0.0367	0.3092	0.0578	0.4620	
119	47.66	0.10	C.0341	5.9999	C.0268	5.9999	0.7029	0.6620	0.0366	0.3040	0.0613	0.4553	
120	47.82	0.12	C.0341	5.9999	C.0262	5.9999	0.7430	0.6624	0.0398	0.3055	0.0600	0.4605	
121	47.98	0.08	C.0341	5.9999	C.0271	5.9999	0.7256	0.6804	0.0382	0.3128	0.0561	0.4558	
122	48.16	0.05	C.0341	5.9999	C.0218	5.9999	0.7491	0.6811	0.0386	0.3141	0.0566	0.4612	
123	48.32	0.05	C.0341	5.9999	C.0211	5.9999	0.7226	0.6751	0.0403	0.3100	0.0597	0.4593	
124	48.50	0.07	C.0341	5.9999	C.0223	5.9999	0.7690	0.7059	0.0364	0.3243	0.0515	0.4593	
125	48.65	0.08	C.0341	5.9999	0.0161	5.9999	0.8131	0.7101	0.0349	0.3275	0.0491	0.4612	
126	48.83	0.06	C.0341	5.9999	C.0226	5.9999	0.8014	0.6809	0.0399	0.3185	0.0570	0.4623	
127	49.00	0.05	C.0341	5.9999	C.0165	5.9999	0.7395	0.7216	0.0324	0.3325	0.0445	0.4570	
128	49.18	0.03	C.0341	5.9999	C.0232	5.9999	0.8227	0.6503	0.0417	0.3067	0.0635	0.4582	
129	49.33	0.05	C.0341	5.9999	C.0153	5.9999	0.8361	0.7335	0.0327	0.3360	0.0443	0.4581	
130	49.53	0.05	C.0341	5.9999	C.0204	5.9999	0.8044	0.6819	0.0365	0.3185	0.0559	0.4625	
131	49.71	0.05	C.0341	5.9999	C.0167	5.9999	0.8434	0.7059	0.0352	0.3258	0.0495	0.4648	
132	49.87	0.06	C.0341	5.9999	C.0132	5.9999	0.8084	0.7339	0.0332	0.3398	0.0452	0.4630	
133	50.02	0.02	C.0341	5.9999	0.0111	5.9999	0.9174	0.7239	0.0327	0.3363	0.0451	0.4648	
134	50.20	0.03	C.0341	5.9999	C.0076	5.9999	1.2067	0.7236	0.0324	0.3357	0.0454	0.4635	
135	50.37	0.02	C.0341	5.9999	C.0105	5.9999	0.8450	0.7429	0.0330	0.3417	0.0444	0.4555	
136	50.54	0.01	C.0341	5.9999	C.0074	5.9999	0.8810	0.7346	0.0343	0.3379	0.0467	0.4600	
137	50.70	0.02	C.0341	5.9999	C.0127	5.9999	0.8905	0.7243	0.0357	0.3330	0.0493	0.4597	
138	50.87	0.03	C.0341	5.9999	C.0144	5.9999	0.7869	0.7273	0.0363	0.3357	0.0499	0.4616	

PAGE 3 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

PLANT	TEST PART MACH RNIC-6		Phi CNF		L DEL1		DEL2		DEL3		DEL4 TRANSITION	
	7	11a 0.00 1.7	C.C	010CF31	C.C	0	-30	0	-30	UNKNOWN		
	ALPHA	BETA	CNF3	CNF4	CB3	YCPF3	YCPF4	CNF4	CH4	CB4	XCPF4	YCPF4
139	51.04	0.03	C.0137	5.5555	C.0115	5.5555	0.8586	J.7173	0.0374	0.3304	J.0521	0.4608
140	51.21	0.05	C.0163	5.5555	C.0160	5.5555	0.8743	J.0730	0.0426	0.3064	C.0626	C.4557
141	51.38	0.05	C.0091	5.5555	C.0094	5.5555	1.0330	J.0733	0.0438	0.3076	C.0650	C.4565
142	51.55	0.07	C.0163	5.5555	C.0166	5.5555	0.9071	0.0634	0.0453	0.2693	0.0713	0.4553
143	51.71	0.07	C.0221	5.5555	C.0215	5.5555	0.8269	0.06324	0.0465	0.2685	0.0735	0.4562
144	51.90	0.09	C.0216	5.5555	C.0235	5.5555	0.8545	0.0638	0.0490	0.2958	0.0690	C.4580
145	52.06	0.07	C.0275	5.5555	C.0241	5.5555	0.8796	J.06309	0.0462	0.2853	C.0732	0.4585
146	52.24	0.05	C.0322	5.5555	C.0270	5.5555	0.8380	0.06301	0.0464	0.2857	0.0729	0.4554
147	52.41	0.10	C.0275	5.5555	C.0238	5.5555	J.0886	J.06338	C.0461	0.2527	0.0727	C.4618
148	52.57	0.08	C.0264	5.5555	C.0232	5.5555	0.8198	0.0631	0.0471	0.2955	C.0730	C.4581
149	52.75	0.08	C.0264	5.5555	C.0233	5.5555	0.8233	0.06168	0.0502	0.2834	0.0814	C.4595
150	52.92	0.08	C.0245	5.5555	C.0214	5.5555	0.8770	0.06322	0.0485	0.2890	C.0773	C.4571
151	53.08	0.05	C.0323	5.5555	C.0255	5.5555	0.8012	0.06366	0.0503	C.2912	0.0790	0.4574
152	53.26	0.08	C.0247	5.5555	C.0206	5.5555	0.8374	0.0615	0.0554	0.2759	0.0921	0.4586
153	53.40	0.09	C.0278	5.5555	C.0237	5.5555	0.8556	0.0653	0.0565	0.2682	0.0572	C.4583
154	53.58	0.10	C.0333	5.5555	C.0284	5.5555	0.7922	0.0609	0.0600	0.2559	C.1670	C.4562
155	53.74	0.09	C.0372	5.5555	C.0266	5.5555	0.7951	J.05308	J.0618	0.2456	0.1147	0.4558
156	53.90	0.09	C.0325	5.5555	C.0283	5.5555	0.8704	0.0625	C.0611	0.2376	0.1170	C.4547
157	54.07	0.05	C.0345	5.5555	C.0286	5.5555	0.8247	J.05357	J.0640	0.2438	C.1195	C.4551
158	54.25	0.09	C.0380	5.5555	C.0313	5.5555	0.8432	J.05423	0.0640	0.2482	0.1155	C.4577
159	54.42	0.10	C.0381	5.5555	C.0313	5.5555	0.8211	0.05460	C.0651	0.2502	0.1153	C.4582
160	54.58	0.10	C.0343	5.5555	0.0282	5.5555	0.8210	0.05762	0.0645	0.2657	0.1127	C.4612
161	54.73	0.09	C.0366	5.5555	C.0300	5.5555	0.8192	J.05621	0.0654	0.2701	0.1124	0.4635
162	54.92	0.08	C.0326	5.5555	C.0255	5.5555	0.7840	0.06013	0.0651	0.2777	0.1083	0.4618
163	55.09	0.08	C.0343	5.5555	C.0285	5.5555	J.06421	0.06008	0.0656	J.2765	C.1092	C.4601
164	55.24	0.08	C.0375	5.5555	C.0258	5.5555	0.7941	0.06043	0.0657	0.2770	0.1088	0.4596
165	55.40	0.08	C.0355	5.5555	C.0284	5.5555	0.7905	J.06023	0.0649	0.2761	C.1078	0.4583
166	55.57	0.09	C.0288	5.5555	C.0250	5.5555	0.8670	0.06777	0.0665	0.2750	0.1120	C.4600
167	55.73	0.09	C.0315	5.5555	C.0286	5.5555	0.8396	0.06031	C.0685	0.2767	0.1110	C.4587
168	55.89	0.09	C.0358	5.5555	C.0296	5.5555	0.8203	0.06037	C.0671	0.2752	0.1112	0.4558
169	56.05	0.08	C.0343	5.5555	C.0278	5.5555	0.8041	J.06084	0.0665	0.2771	0.1100	C.4554
170	56.18	0.09	C.0364	5.5555	C.0251	5.5555	0.8251	0.06062	0.0664	C.2772	0.1096	C.4572
171	56.35	0.08	C.0364	5.5555	C.0254	5.5555	0.8350	0.06136	0.0672	C.2803	0.1096	C.4568
172	56.52	0.10	C.0320	5.5555	C.0205	5.5555	0.8270	J.06030	0.0672	0.2732	0.1114	C.4525
173	56.65	0.09	C.0312	5.5555	C.0241	5.5555	0.7749	J.06083	0.0673	0.2755	0.1107	C.4528
174	56.82	0.08	C.0312	5.5555	C.0241	5.5555	0.7749	0.06233	0.0677	0.2840	J.1087	0.4556
175	56.99	0.08	C.0327	5.5555	C.0251	5.5555	0.7822	J.06174	0.0673	C.2801	0.1091	C.4537
176	57.10	0.08	C.0313	5.5555	C.0313	5.5555	0.7573	0.06063	0.0690	0.2727	0.1135	C.4482
177	57.30	0.07	C.0311	5.5555	C.0240	5.5555	0.7742	J.06087	0.0673	C.2741	C.1106	0.4562
178	57.44	0.07	C.0288	5.5555	0.0223	5.5555	0.7770	J.06203	0.0684	0.2825	0.1103	C.4554
179	57.57	0.08	C.0311	5.5555	C.0231	5.5555	0.7452	J.06228	0.0685	0.2814	0.1107	C.4518
180	57.74	0.08	C.0311	5.5555	C.0231	5.5555	0.7452	0.06098	0.0684	0.2744	0.1122	0.4495
181	57.88	0.05	C.0310	5.5555	C.0227	5.5555	0.7366	J.06307	0.0632	0.2876	0.1072	C.4517
182	58.02	0.08	C.0303	5.5555	C.0210	5.5555	0.6954	J.06188	0.0683	0.2788	C.1104	C.4503
183	58.18	0.07	C.0288	5.5555	C.0208	5.5555	0.7298	J.06174	0.0687	0.2793	0.1113	0.4524
184	58.26	0.08	C.0335	5.5555	C.0237	5.5555	0.7012	J.06217	0.0675	0.2801	0.1086	C.4563

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	REXID-6	PHI	CCNF	I	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	118	0.80	1.7	0.0	0.100F31	0.0	-30	0	-30	UNKNOWN		
FLINT	ALPHA	BETA	LNFS	CH3	C63	ACPF3	YCPF3	LNFS	CH4	C24	XCPF4	YCPF4
185	58.25	0.05	0.0222	9.9999	0.0200	9.9999	0.7663	0.6292	0.0880	0.2861	0.1081	0.4547

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH NO. 6 PHI CNCF L DELT DEL2 DEL3 DEL4 TRANSITION											
7 114 0.000 1.7 C.C. 8160431 C.C. 0 -30 0 -30 UNKNOWN											
PLINT	ALPHA	BETA	CN	CLM	CY	CLX	CLL	CA	CAB	CAF	ACP
1	-3.50	0.02	-3.2527	13.0500	0.0614	-0.0611	-0.0090	1.9700	0.3435	1.6242	-3.3627
2	-3.50	0.03	-3.2430	12.5554	0.0655	-0.0642	0.0035	1.9530	0.3445	1.6085	-3.3706
3	-3.50	0.02	-3.2505	13.0565	-0.0120	-0.0502	0.0033	1.9670	0.3445	1.6225	-3.3906
4	-3.50	0.03	-3.2635	13.0826	0.0216	-0.0604	0.0034	1.9608	0.3437	1.6231	-3.3659
5	-3.04	0.03	-3.7437	12.6531	0.0663	-0.0515	0.0035	1.9670	0.3467	1.6203	-3.3680
6	-3.50	0.03	-3.2617	12.7467	0.0618	-0.0377	0.0107	1.9640	0.3632	1.6208	-3.4022
7	-2.35	0.03	-3.5753	12.3556	0.0182	-0.0594	0.0045	1.6242	0.2051	1.6151	-3.2345
8	-0.04	0.02	-3.2632	12.3080	-0.0307	0.0240	0.0040	1.7280	0.1531	1.5749	-3.7712
9	1.07	0.02	-2.5004	11.3240	-0.0625	-0.0142	0.0051	1.6495	0.1572	1.4923	-3.9043
10	2.05	0.02	-2.5005	11.3073	-0.0375	-0.0610	0.0055	1.5234	0.1553	1.3681	-4.1050
11	4.57	0.03	-2.0784	5.2622	0.0034	-0.1001	-0.0005	1.4041	0.1652	1.2385	-4.4565
12	6.34	0.02	-1.0902	0.3280	-0.0590	-0.0073	-0.0002	1.2832	0.1741	1.1091	-4.9273
13	8.15	0.03	-1.2483	7.1520	0.0340	-0.0495	0.0068	1.1477	0.1779	0.9698	-5.7709
14	9.89	0.03	-0.2949	0.3554	0.0204	-0.0488	0.0006	1.0430	0.1617	0.8613	-7.1528
15	11.70	0.02	-0.4431	5.4175	-0.0002	0.1258	0.0075	0.9152	0.1625	0.7323	-12.2264
16	13.55	0.03	0.0096	4.4842	0.0785	-0.0470	-0.0045	0.6006	0.1835	0.6175	466.8599
17	15.43	0.03	0.3593	3.6551	-0.0236	0.1423	-0.0044	0.6903	0.1854	0.5049	9.2537
18	17.30	0.03	0.0005	3.0015	-0.0507	0.2602	0.0025	0.5050	0.1803	0.3595	3.7129
19	19.23	0.03	1.2654	2.2204	-0.1097	0.3501	0.0098	0.4772	0.1898	0.2876	1.7547
20	21.12	0.02	1.0005	1.0481	-0.2541	0.5820	0.0080	0.4007	0.2042	0.2025	1.1489
21	23.02	0.02	1.5460	1.0555	-0.3050	1.0620	0.0095	0.3552	0.2152	0.1400	0.8507
22	24.88	0.03	2.2201	1.0068	-0.1037	0.9285	0.0147	0.3050	0.2214	0.0861	0.8563
23	26.75	0.04	2.6587	2.1982	0.2255	-0.3538	0.0236	0.2505	0.2252	0.0253	0.8337
24	28.17	0.07	2.0702	2.2503	0.5142	-0.4922	0.0454	0.2041	0.2315	-0.0224	0.7580
25	28.21	0.08	2.0541	2.3238	0.5585	-1.3770	0.0656	0.2102	0.2345	-0.0243	0.8029
26	28.62	0.09	3.0200	2.2178	0.8800	-2.1715	0.0433	0.1997	0.2367	-0.0350	0.7323
27	28.89	0.08	3.0501	2.1678	0.8013	-1.9031	0.0303	0.2035	0.2376	-0.0343	0.7172
28	29.10	0.07	3.1214	2.1111	0.5651	-1.0223	0.0600	0.2013	0.2330	-0.0377	0.6794
29	29.50	0.07	3.2613	2.3316	0.4603	-0.7102	0.0530	0.1807	0.2391	-0.0584	0.6151
30	29.80	0.09	3.2602	2.0367	0.7014	-1.2830	0.0805	0.1701	0.2355	-0.0614	0.6014
31	30.07	0.08	3.4324	2.0381	0.7317	-1.4557	0.1072	0.1635	0.2417	-0.0582	0.5925
32	30.35	0.11	3.8835	2.0041	1.1652	-2.2513	0.1422	0.1607	0.2510	-0.0643	0.5685
33	30.62	0.09	3.2841	2.1765	0.8320	-1.8638	0.1219	0.1681	0.2484	-0.0803	0.5508
34	30.91	0.10	3.8456	2.3047	1.0242	-1.5014	0.1360	0.1633	0.2501	-0.0948	0.5553
35	31.17	0.11	3.5838	2.3328	1.1715	-2.0585	0.1304	0.1428	0.2606	-0.1181	0.5885
36	31.45	0.11	4.0233	2.4310	1.1800	-2.2195	0.1245	0.1447	0.2589	-0.1093	0.6042
37	31.73	0.09	4.1013	2.5227	0.8714	-1.1694	0.0970	0.1413	0.2657	-0.1245	0.5907
38	31.98	0.10	4.1538	2.3507	0.9383	-1.4157	0.1041	0.1206	0.2652	-0.1367	0.5775
39	32.27	0.10	4.3751	2.3585	0.9683	-1.2035	0.1113	0.1193	0.2737	-0.1545	0.5477
40	32.52	0.10	4.3709	2.4490	1.0187	-1.3001	0.0985	0.1122	0.2713	-0.1592	0.5603
41	32.79	0.12	4.5533	2.5380	1.2337	-1.8545	0.1134	0.0979	0.2767	-0.1789	0.5574
42	33.07	0.13	4.7653	2.5318	1.4018	-2.4483	0.1217	0.0802	0.2809	-0.2127	0.5313
43	33.31	0.13	4.7521	2.5507	1.4620	-2.7567	0.1287	0.0826	0.2813	-0.1987	0.5452
44	33.56	0.13	4.7026	2.7446	1.5746	-2.7705	0.1270	0.0742	0.2816	-0.2076	0.5559
45	33.82	0.14	4.5877	2.6551	1.6400	-3.0161	0.1367	0.0717	0.2852	-0.2135	0.5425
46	34.08	0.12	5.0456	2.4286	1.3185	-2.5509	0.1301	0.0572	0.2750	-0.2166	0.5765

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	PAUF	AXIG-6	PHI	CONF	L	DECT	DEL2	DEL3	DEL4	TRANSITION	
7	119	0.90	1.7	0.0	0.00031	0.0	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	34.32	0.11	5.19CE	2.9062	1.2752	-2.6271	0.1435	0.0355	0.2779	-0.2424	0.5599
48	34.50	0.11	5.2446	3.1210	1.1905	-2.4328	0.1437	0.0292	0.2756	-0.2406	0.5951
49	34.82	0.10	5.3705	2.9455	1.2330	-2.4266	0.1374	-0.0017	0.2737	-0.2804	0.5485
50	35.06	0.08	5.4560	3.1825	0.9532	-2.2210	0.1374	-0.0075	0.2711	-0.2706	0.5833
51	35.29	0.06	5.4440	3.3242	0.6265	-1.6721	0.0973	-0.0015	0.2660	-0.2675	0.6106
52	35.53	0.06	5.5035	3.1342	0.5705	-1.5576	0.0716	-0.0515	0.2627	-0.3143	0.5622
53	35.78	0.04	5.6435	3.3378	0.3771	-0.8161	0.0246	-0.0657	0.2542	-0.3200	0.5514
54	36.02	0.04	5.7483	3.4310	0.3515	-0.7813	0.0513	-0.0621	0.2503	-0.3165	0.5569
55	36.24	0.03	5.8201	3.3321	0.2054	-0.4055	0.0116	-0.0632	0.2542	-0.3375	0.5725
56	36.40	0.03	5.8258	3.4551	0.1285	-0.0705	-0.0157	-0.0707	0.2506	-0.3314	0.5940
57	36.72	0.02	6.0584	3.3728	0.0054	-0.0530	0.0049	-0.1294	0.2508	-0.3802	0.5567
58	36.93	0.04	6.0656	3.3640	0.2627	-0.1631	0.0165	-0.1025	0.2546	-0.3575	0.5447
59	37.20	0.03	6.1574	3.4268	0.1622	-0.0845	0.0059	-0.1312	0.2529	-0.3841	0.5529
60	37.41	0.03	6.2081	3.4157	0.2387	-0.2154	0.0145	-0.1358	0.2512	-0.3870	0.5508
61	37.65	0.04	6.3745	3.3654	0.3454	-0.6176	0.0403	-0.1575	0.2529	-0.4104	0.5286
62	37.90	0.04	6.4466	3.2729	0.4535	-0.9348	0.0305	-0.1547	0.2541	-0.4068	0.5038
63	38.12	0.04	6.5102	3.3105	0.5738	-1.0252	0.0740	-0.1546	0.2563	-0.4109	0.5086
64	38.37	0.05	6.5545	3.3725	0.7140	-1.1134	0.1077	-0.1498	0.2589	-0.4087	0.5145
65	38.60	0.04	6.6228	3.2251	0.4715	-0.7106	0.0675	-0.1692	0.2546	-0.4438	0.4876
66	38.83	0.04	6.7331	3.2061	0.3024	-0.3572	0.0580	-0.1565	0.2534	-0.4519	0.4765
67	39.04	0.02	6.8421	3.2056	0.2186	-0.2650	0.0077	-0.2023	0.2504	-0.4607	0.4685
68	39.26	0.05	6.9477	3.2571	0.6220	-0.6002	0.0450	-0.1444	0.2677	-0.4621	0.4746
69	39.45	0.03	6.9566	3.2284	0.3552	-0.1665	0.0604	-0.2185	0.2618	-0.4803	0.4614
70	39.70	0.03	7.1017	3.0182	0.2634	-0.2645	0.0747	-0.2514	0.2677	-0.5152	0.4214
71	39.92	0.00	7.2653	2.9848	0.0365	-0.7374	0.0524	-0.2654	0.2665	-0.5320	0.4106
72	40.11	0.02	7.4467	2.9552	0.2356	-0.2603	0.0604	-0.2480	0.2643	-0.5124	0.4077
73	40.34	0.02	7.4455	2.9855	0.1556	-0.6525	0.0530	-0.2873	0.2664	-0.5538	0.4014
74	40.56	0.03	7.5374	2.9568	0.3650	-0.4677	0.0433	-0.2906	0.2698	-0.5604	0.3760
75	40.75	0.02	7.5182	2.8442	0.2774	-0.3566	0.0535	-0.2943	0.2623	-0.5566	0.3783
76	40.97	0.01	7.5823	2.9231	0.2287	-0.4038	0.0742	-0.2817	0.2677	-0.5495	0.3665
77	41.16	0.00	7.8454	2.9454	0.1324	-0.4142	0.0069	-0.3186	0.2580	-0.5766	0.3720
78	41.37	0.02	7.7000	2.7363	0.3137	-0.4305	0.0547	-0.3382	0.2648	-0.6030	0.3514
79	41.63	0.01	7.7758	2.7753	0.2352	-0.0546	0.0368	-0.3326	0.2606	-0.5932	0.3572
80	41.82	-0.01	7.9356	2.7536	-0.0184	0.3554	-0.0250	-0.3502	0.2614	-0.6196	0.3468
81	42.01	0.01	7.9555	2.8056	0.2126	0.6315	0.0680	-0.3261	0.2737	-0.5598	0.3376
82	42.21	0.00	8.0562	2.8314	0.1605	0.1414	0.0112	-0.3511	0.2646	-0.6155	0.3266
83	42.44	0.01	8.1816	2.4951	0.0884	0.6101	0.0755	-0.3765	0.2673	-0.6638	0.3057
84	42.64	0.02	8.1587	2.9052	0.3616	0.2558	0.0576	-0.3037	0.2720	-0.6365	0.3134
85	42.80	0.01	8.2386	2.9881	0.2800	0.3086	0.0511	-0.3735	0.2665	-0.6404	0.3141
86	42.95	0.03	8.3627	2.9055	0.3803	0.5238	0.0702	-0.3752	0.2741	-0.6533	0.2996
87	43.16	0.00	8.5051	2.4446	0.1227	-0.5037	0.0450	-0.3668	0.2885	-0.6752	0.2873
88	43.34	0.00	8.4425	2.9055	0.1686	0.0250	0.0403	-0.3514	0.2719	-0.6633	0.2455
89	43.53	0.00	8.5540	2.2330	0.1788	0.7500	0.0966	-0.3845	0.2885	-0.6730	0.2598
90	43.72	-0.01	8.7327	2.9075	0.2048	-0.4447	0.0422	-0.4210	0.2757	-0.6968	0.2733
91	43.90	0.02	8.4481	2.3521	0.4612	-0.4835	0.0684	-0.3985	0.2779	-0.6765	0.2766
92	44.07	0.01	8.7422	2.2008	0.3115	-0.3804	0.0464	-0.4148	0.2842	-0.6951	0.2578

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME		PHI		CKRF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7 119 G.55 1.1		0.0		0.0000		0.0		0		-30		0		-30		UNKNOWN	
FLINT	ALPHA	BETA	CA	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP						
93	44.26	0.01	8.9372	2.3122	0.2651	-0.1876	0.0753	-0.4044	0.2638	-0.6883	0.2587						
94	44.46	0.01	9.0516	2.3350	0.2467	0.1576	0.0677	-0.4316	0.2868	-0.7185	0.2580						
95	44.63	0.01	9.0461	2.1810	0.3242	-0.7322	0.0699	-0.4445	0.2856	-0.7304	0.2410						
96	44.81	0.01	9.0560	2.2052	0.4696	-0.2300	0.0750	-0.4436	0.2670	-0.7313	0.2512						
97	45.00	0.01	9.2456	2.2655	0.2451	-0.5206	0.0442	-0.4478	0.2914	-0.7392	0.2455						
98	45.14	0.02	9.3447	2.1067	0.7034	-1.0320	0.0051	-0.4513	0.3012	-0.7505	0.2256						
99	45.36	0.02	9.3445	2.0127	0.4354	0.4383	0.0734	-0.4526	0.3021	-0.7547	0.2154						
100	45.54	0.02	9.4702	2.0257	-0.1723	1.3673	0.0711	-0.4320	0.3076	-0.7596	0.2139						
101	45.73	0.01	9.5424	2.1165	0.3564	0.4365	0.0663	-0.4506	0.3081	-0.7585	0.2218						
102	45.89	0.00	9.4470	1.9994	0.4445	-0.5502	0.0584	-0.4571	0.3038	-0.7609	0.2105						
103	46.06	0.02	9.7130	2.0365	0.6163	-1.0653	0.0595	-0.4769	0.3093	-0.7862	0.2055						
104	46.24	0.06	9.7616	1.9372	0.5616	0.1707	0.0635	-0.4616	0.3114	-0.7934	0.1985						
105	46.41	0.03	9.7628	1.8751	-0.0588	0.2408	0.0640	-0.4770	0.3177	-0.7947	0.1921						
106	46.54	0.02	9.9363	1.8233	0.3645	0.8756	0.0611	-0.5052	0.3136	-0.8207	0.1841						
107	46.77	0.01	9.8642	1.7452	0.2165	0.1844	0.0538	-0.5045	0.3122	-0.8166	0.1773						
108	46.94	0.02	9.9346	1.8376	0.4733	0.2685	0.0593	-0.4912	0.3135	-0.8046	0.1846						
109	47.12	0.00	10.0474	1.8185	0.3362	-0.6095	0.0665	-0.4976	0.3134	-0.8116	0.1808						
110	47.30	0.01	10.1542	1.9265	0.4657	-0.4522	0.0476	-0.5151	0.3152	-0.8342	0.1652						
111	47.47	0.00	10.1224	1.9653	0.3645	-0.1292	0.0464	-0.4937	0.3241	-0.8077	0.1945						
112	47.64	0.01	10.2483	1.9171	0.4421	0.3416	0.0514	-0.5071	0.3238	-0.8308	0.1871						
113	47.81	0.01	10.3571	1.8527	0.2684	-0.3445	0.0542	-0.5193	0.3267	-0.8455	0.1762						
114	48.00	0.02	10.4426	1.8604	0.4555	0.7330	0.0768	-0.4970	0.3340	-0.8309	0.1762						
115	48.17	0.03	10.4715	1.9705	0.7300	-0.4766	0.0545	-0.5064	0.3276	-0.8339	0.1882						
116	48.33	0.00	10.4753	1.8521	0.1744	1.3548	0.0664	-0.4701	0.3432	-0.8413	0.1768						
117	48.52	0.03	10.6201	1.6748	0.6742	0.6769	0.1035	-0.4943	0.3508	-0.8450	0.1577						
118	48.67	0.03	10.6424	1.7034	0.5256	1.3015	0.1016	-0.4722	0.3540	-0.8262	0.1676						
119	48.86	0.02	10.8563	1.4401	0.3140	2.0858	0.0598	-0.4991	0.3705	-0.8656	0.1326						
120	49.03	0.02	10.8661	1.4021	0.3305	1.8627	0.0541	-0.5070	0.3739	-0.8805	0.1254						
121	49.19	0.02	10.9769	1.5671	0.3531	2.3126	0.0375	-0.5182	0.3812	-0.8954	0.1245						
122	49.36	0.03	11.0715	0.8951	0.2363	3.0445	0.0016	-0.4855	0.4114	-0.8969	0.0776						
123	49.56	0.00	11.3456	0.4256	-0.0025	3.2830	-0.0157	-0.5466	0.4407	-0.9675	0.0375						
124	49.74	0.03	11.4741	-0.2571	0.2525	3.0378	-0.0575	-0.5210	0.4435	-0.9645	-0.0259						
125	49.91	0.00	11.6646	-0.0368	0.5735	3.3367	-0.0565	-0.6015	0.4435	-1.0454	-0.0546						
126	50.08	0.03	11.6937	-0.3947	0.3266	3.1947	-0.0421	-0.5611	0.4497	-1.0106	-0.0509						
127	50.29	0.04	12.1501	-1.7557	0.2566	4.4688	-0.0663	-0.6269	0.4501	-1.0631	-0.1445						
128	50.40	0.06	12.4637	-2.1034	0.4222	4.5601	0.0546	-0.5677	0.4635	-1.0912	-0.1688						
129	50.65	0.06	12.5843	-2.0226	0.8054	3.7036	0.1156	-0.5023	0.5173	-1.0195	-0.1607						
130	50.83	0.05	12.8108	-2.2455	0.4514	4.5347	0.0281	-0.4677	0.5245	-0.9470	-0.1753						
131	51.00	0.11	12.6336	-2.2481	1.2521	2.9056	0.1125	-0.4518	0.5241	-0.9759	-0.1749						
132	51.18	0.10	13.0014	-2.3074	0.5170	4.2551	0.0091	-0.4621	0.5583	-1.0463	-0.1917						
133	51.34	0.06	13.0052	-2.5436	0.7142	4.7227	-0.0120	-0.4591	0.5630	-1.0221	-0.1943						
134	51.51	0.06	13.2050	-2.8017	0.4035	4.7361	-0.1107	-0.4503	0.5665	-1.0168	-0.2122						
135	51.68	0.04	13.2485	-2.8134	0.2431	5.0953	-0.1115	-0.4566	0.5442	-1.0008	-0.1973						
136	51.85	0.04	13.3343	-2.8152	0.2500	4.6392	-0.2025	-0.5475	0.5557	-1.0822	-0.2108						
137	52.03	0.00	13.4045	-3.1823	0.4868	4.0533	-0.1950	-0.5161	0.5659	-1.0820	-0.2339						
138	52.19	0.03	13.5024	-3.0358	0.1756	4.3652	-0.1439	-0.5267	0.5556	-1.0823	-0.2250						

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN PASSALE TAILS EFFECTS DATA

TEST PART MACH RXIC-6				PH	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 119 0.90 1.7				G.C	D14CF31	G.C	0	-30	0	-30	UNKNOWN	
PLINT	ALPHA	BETA	CN	CLM	CV	CLA	CLL	LA	CAB	LAF	XCP	
139	52.37	0.04	13.7644	-3.4620	0.5012	3.5187	-0.1737	-0.4978	0.5723	-1.0701	-0.2515	
140	52.54	0.07	13.7417	-3.4642	0.7252	3.6044	-0.1777	-0.4870	0.5730	-1.0544	-0.2481	
141	52.71	0.05	13.5232	-3.4757	0.5630	3.5152	-0.1772	-0.5033	0.5646	-1.0679	-0.2453	
142	52.88	0.06	13.4701	-3.4883	0.7000	3.4363	-0.1762	-0.4916	0.5434	-1.0855	-0.2497	
143	53.06	0.08	13.5746	-3.4047	0.5048	3.4744	-0.1702	-0.5055	0.5526	-1.0981	-0.2579	
144	53.22	0.06	14.0155	-3.5757	0.7020	3.1653	-0.1879	-0.4829	0.5550	-1.0779	-0.2554	
145	53.39	0.08	14.1355	-3.6085	0.7385	3.2576	-0.1862	-0.5155	0.6036	-1.1191	-0.2610	
146	53.55	0.08	14.1127	-3.5617	0.8843	3.0314	-0.1759	-0.4867	0.6034	-1.0901	-0.2528	
147	53.73	0.07	14.1257	-3.5545	0.5211	2.7499	-0.1860	-0.4999	0.6047	-1.1046	-0.2510	
148	53.88	0.06	14.1607	-3.6632	0.7815	2.9344	-0.1880	-0.4842	0.6147	-1.0740	-0.2587	
149	54.04	0.05	14.2147	-3.6826	0.6635	2.6736	-0.1577	-0.4821	0.6157	-1.0578	-0.2591	
150	54.20	0.06	14.2220	-3.7810	0.7552	2.9119	-0.1391	-0.4983	0.6174	-1.1157	-0.2639	
151	54.35	0.08	14.1871	-3.5331	0.6587	2.5457	-0.1244	-0.4946	0.6166	-1.1116	-0.2490	
152	54.51	0.08	14.2781	-3.6030	0.7240	2.5186	-0.1504	-0.4882	0.6278	-1.1158	-0.2565	
153	54.67	0.07	14.2151	-3.6752	0.8185	2.1935	-0.1229	-0.4824	0.6288	-1.1092	-0.2585	
154	54.82	0.05	14.2184	-3.5817	1.0474	2.0549	-0.1227	-0.4717	0.6244	-1.0967	-0.2519	
155	54.98	0.06	14.2187	-3.4657	0.7801	2.2640	-0.1183	-0.4714	0.6283	-1.0958	-0.2451	
156	55.13	0.04	14.2421	-3.8140	0.5115	2.1723	-0.1218	-0.4924	0.6209	-1.1153	-0.2529	
157	55.25	0.05	14.5586	-3.6070	0.6254	2.2558	-0.1222	-0.4924	0.6324	-1.1248	-0.2505	
158	55.43	0.08	14.3532	-3.6968	0.7488	1.9036	-0.0945	-0.4937	0.6347	-1.1284	-0.2541	
159	55.59	0.08	14.4112	-3.5057	1.0425	1.7113	-0.0941	-0.4837	0.6451	-1.1089	-0.2433	
160	55.75	0.08	14.3634	-3.4751	0.8381	1.8052	-0.0809	-0.4747	0.6409	-1.1157	-0.2419	
161	55.91	0.05	14.4654	-3.4611	0.7728	1.8054	-0.0587	-0.4949	0.6477	-1.1426	-0.2393	
162	56.08	0.05	14.4820	-3.5221	0.7571	1.5780	-0.0500	-0.5089	0.6472	-1.1581	-0.2437	
163	56.22	0.08	14.4070	-3.5555	1.1718	1.5715	-0.0413	-0.5188	0.6638	-1.1756	-0.2461	
164	56.37	0.05	14.4545	-3.3874	0.8727	1.1805	-0.0322	-0.4853	0.6614	-1.1467	-0.2343	
165	56.53	0.04	14.4604	-3.5287	0.6400	1.4835	-0.0266	-0.4807	0.6686	-1.1494	-0.2440	
166	56.68	0.06	14.4455	-3.3324	0.7905	1.1584	-0.0125	-0.5036	0.6714	-1.1750	-0.2306	
167	56.84	0.07	14.4855	-3.4535	0.5786	1.0829	0.0008	-0.4771	0.6736	-1.1707	-0.2384	
168	56.99	0.04	14.5070	-3.4001	0.8302	1.1465	0.0011	-0.4984	0.6839	-1.1822	-0.2389	
169	57.14	0.05	14.5376	-3.4355	0.7357	1.2525	-0.0126	-0.5282	0.6836	-1.2117	-0.2368	
170	57.28	0.06	14.4077	-3.4450	0.8910	1.2845	0.0002	-0.5310	0.6841	-1.2150	-0.2394	
171	57.43	0.06	14.5474	-3.5447	0.8530	1.0356	0.0271	-0.5269	0.6853	-1.2181	-0.2437	
172	57.59	0.02	14.6145	-3.3707	0.4837	1.1345	0.0534	-0.5566	0.6849	-1.2464	-0.2306	
173	57.73	0.00	14.5240	-3.1158	0.3055	0.8841	0.0291	-0.5660	0.6857	-1.2516	-0.2148	
174	57.89	-0.02	14.7020	-2.8358	0.1784	0.6415	0.0060	-0.6704	0.6719	-1.3424	-0.1589	
175	58.03	-0.04	14.5456	-2.1100	0.0054	0.3564	-0.0112	-0.6578	0.6433	-1.3012	-0.1459	
176	58.17	-0.05	14.5021	-2.1557	-0.4215	0.9125	-0.0508	-0.6316	0.6544	-1.2661	-0.1489	
177	58.33	-0.10	14.6543	-2.3684	-0.6358	1.0495	-0.0371	-0.5992	0.6779	-1.2771	-0.1538	
178	58.48	-0.08	14.8539	-2.5355	-0.1133	1.2549	-0.0247	-0.5713	0.7062	-1.2775	-0.2383	
179	58.64	-0.07	14.7128	-3.3641	-0.2612	1.1981	-0.0302	-0.5950	0.6937	-1.2887	-0.2287	
180	58.80	-0.09	14.7078	-2.8080	-0.4283	1.4153	-0.0431	-0.5763	0.6426	-1.2711	-0.2221	

PAGE 2 OF 3
SHEET 1 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART		PACH		PHI		CNF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		119 0.50 1.7		0.0 0.00F31		C.0		0		-30		0		-30		UNKNOWN	
FCINT	ALPHA	BETA	CNF1	CH1	CEL	XCPF1	YCPF1	CNF2	CH2	CEL	XCPF2	YCPF2					
1	-5.56	0.02	-0.0057	C.000E	C.0037	-0.0825	-0.3814	-1.1109	-0.0194	-0.4687	0.0175	C.4215					
2	-5.55	0.03	-0.0066	C.0020	C.0045	-0.0930	-0.7424	-1.1076	-0.0202	-0.4672	0.0183	0.4218					
3	-5.56	0.02	-0.0112	C.0011	C.0035	-0.0582	-0.3482	-1.1197	-0.0206	-0.4720	0.0184	0.4215					
4	-5.56	0.03	-0.0111	C.0005	C.0033	-0.0611	-0.2973	-1.1245	-0.0197	-0.4738	0.0176	0.4213					
5	-5.64	0.03	-0.0073	C.0024	C.0050	-0.0328	-0.6849	-1.1007	-0.0228	-0.4651	0.0208	0.4225					
6	-3.98	0.03	-0.0014	C.0024	C.0061	-1.0032	-3.2103	-1.1220	-0.0292	-0.4962	0.0260	0.4366					
7	-2.35	0.03	-0.0068	C.000E	C.0033	-0.0882	-0.4353	-1.1123	-0.0183	-0.4982	0.0165	0.4475					
8	-0.64	0.02	-0.0022	C.0014	C.0045	-0.0904	-1.9545	-1.0503	-0.0097	-0.4756	0.0093	0.4528					
9	1.07	0.02	-0.0035	C.0004	C.0030	-0.1028	-0.7692	-0.9720	-0.0081	-0.4427	C.0084	0.4618					
10	2.85	0.02	-0.0015	C.0005	C.0032	-0.0802	-1.6842	-0.8693	-0.0100	-0.4123	0.0115	0.4744					
11	6.37	0.03	0.0021	C.0005	C.0051	C.2331	2.4286	-0.7738	-0.0098	-0.3718	0.0127	C.4806					
12	6.34	0.02	-0.0027	C.000E	C.0045	-0.0222	-1.5926	-0.6716	-0.0107	-0.3329	0.0158	C.4513					
13	8.15	0.03	-0.0071	C.000E	C.0057	-0.0845	-0.6026	-0.5696	-0.0105	-0.2658	0.0185	0.5016					
14	9.89	0.03	-0.0101	C.0004	C.0080	-0.0376	-0.7921	-0.4888	-0.0103	-0.2420	0.0212	0.4573					
15	11.76	0.02	-0.0153	-0.0001	C.0045	C.0065	-0.3203	-0.4004	-0.0092	-0.2015	C.0230	C.5033					
16	13.55	0.03	-0.0202	C.0003	C.0048	-0.0149	-0.2376	-0.3203	-0.0085	-0.1627	0.0266	0.5081					
17	15.43	0.03	-0.0122	C.0002	0.0053	-0.0110	-0.2912	-0.2311	-0.0074	-0.1205	C.0321	0.5217					
18	17.32	0.03	-0.0250	-0.0004	C.0038	C.0061	-0.1526	-0.1636	-0.0071	-0.0899	0.0435	C.5453					
19	19.23	0.03	-0.0232	-0.0001	C.0075	C.0043	-0.3147	-0.0925	-0.0046	-0.0562	0.0496	0.6052					
20	21.12	0.02	-0.0341	-0.000E	C.0110	C.0235	-0.3235	-0.0461	-0.0012	-0.0341	0.0261	0.7391					
21	23.02	0.02	-0.0443	-0.0015	C.003E	C.0535	-0.0860	-0.0124	0.0034	-0.0201	-0.2742	1.6210					
22	24.88	0.03	-0.0075	C.0015	C.0218	C.2533	2.9067	0.0276	0.0053	-0.0063	0.3357	-0.2274					
23	26.79	0.04	0.0215	C.0041	C.0201	C.1872	0.5176	0.0542	0.0189	0.0006	0.3454	0.0148					
24	28.17	0.07	0.0761	C.0057	C.0450	C.0751	0.5916	0.0783	0.0254	0.0105	0.3239	0.1344					
25	28.21	0.08	0.1228	C.0007	C.0653	C.0547	0.5649	0.0904	0.0261	0.0156	0.2882	0.1725					
26	28.62	0.09	0.1546	C.0100	C.0847	C.0648	0.5476	0.1035	0.0265	0.0169	0.2584	0.1823					
27	28.85	0.08	C.1617	C.0055	C.0855	C.0613	0.5558	0.1068	0.0273	0.0210	0.2552	0.1570					
28	29.16	0.07	C.0705	C.0001	C.0503	C.1130	0.7090	0.0937	0.0281	0.0145	C.2995	C.1551					
29	29.50	0.07	C.0705	C.0055	C.0507	C.1426	0.7188	0.0921	0.0285	0.0141	0.3090	0.1534					
30	29.80	0.05	0.0826	C.0102	C.0550	0.1238	0.6803	0.0987	0.0453	0.0163	0.2564	0.1655					
31	30.07	0.08	0.1552	C.0166	0.0891	C.1045	0.5595	0.1075	0.0305	0.0205	0.2833	0.1511					
32	30.33	0.11	0.2255	0.0236	C.1153	0.1058	0.5116	0.1225	0.0313	0.0265	0.2553	0.2160					
33	30.62	0.09	0.1945	C.0183	C.1016	C.0543	0.5224	0.1209	0.0312	0.0270	0.2577	0.2229					
34	30.91	0.10	C.0295	0.0265	C.1043	C.1263	0.4478	0.1341	0.0332	0.0322	C.2474	0.2395					
35	31.17	0.11	C.0211	0.0268	C.1061	0.1268	0.5028	0.1379	0.0339	0.0351	C.2456	0.2544					
36	31.45	0.11	C.2165	C.0238	C.1080	0.1099	0.4479	0.1446	0.0342	0.0384	0.2363	0.2654					
37	31.73	0.09	0.1612	0.0254	C.0752	C.1821	0.4910	0.1335	0.0361	0.0334	0.2703	0.2500					
38	31.98	0.10	0.1820	C.0270	C.0412	C.1461	0.5011	0.1447	0.0368	0.0390	0.2528	0.2694					
39	32.27	0.10	0.1818	C.0310	C.0833	C.1513	0.5146	0.1467	0.0378	0.0393	0.2575	0.2678					
40	32.52	0.10	0.1557	0.0245	C.0817	C.1596	0.5245	0.1514	0.0381	0.0425	0.2515	0.2866					
41	32.79	0.12	0.1833	C.0306	0.0522	C.1668	0.5030	0.1637	0.0385	0.0482	0.2350	0.2444					
42	33.07	0.13	C.2563	C.0322	C.1155	0.1255	0.4904	0.1942	0.0386	0.0626	0.1587	C.3225					
43	33.31	0.13	C.2770	C.0326	C.1288	C.1176	0.4549	0.2049	0.0381	0.0683	0.1898	0.3333					
44	33.56	0.13	C.2658	C.0345	0.1236	C.1312	0.4655	0.2052	0.0394	0.0680	0.1943	0.3315					
45	33.82	0.14	C.3023	C.0342	C.1376	C.1130	0.4551	0.2190	0.0394	0.0749	C.1798	0.3417					
46	34.08	0.12	C.2540	C.0331	C.1334	C.1122	0.4527	0.2198	C.0393	0.0765	0.1787	0.3478					

PAGE 4 OF 3
SHEET 2 OF 4

MANTAN MASSILE TAILS EFFECTS DATA

TEST PART			MACT	RAIC-6	PH1	CONF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION
7			114	0.90	1.7	J.C	0.00031	0.0	-30	0	-30	UNKNOWN
PLANT	ALPHA	BETA	CNF1	CH1	CU1	ACPF1	YCPF1	CNF2	LM2	Cb2	XCPF2	YCPF2
47	34.52	0.11	0.2745	0.0245	0.1276	0.0891	0.4658	0.2117	0.0408	0.0736	0.1926	0.3474
48	34.56	0.11	0.2763	0.0255	0.1266	0.0936	0.4586	0.2132	0.0404	0.0746	0.1917	0.3496
49	34.82	0.10	0.2550	0.0155	0.1193	0.0782	0.4680	0.2193	0.0409	0.0770	0.1864	0.3508
50	35.06	0.08	0.2361	0.0144	0.1145	0.0811	0.4806	0.2117	0.0407	0.0742	0.1921	0.3502
51	35.29	0.06	0.1725	0.0041	0.0865	0.0236	0.5015	0.2157	0.0390	0.0742	0.1824	0.3466
52	35.53	0.06	0.1482	0.0041	0.0774	0.0277	0.5220	0.2100	0.0347	0.0757	0.1832	0.3492
53	35.76	0.04	0.0556	-0.0016	0.0316	-0.0302	0.5276	0.2170	0.0382	0.0756	0.1755	0.3481
54	36.02	0.04	0.0524	-0.0022	0.0255	0.0224	0.5521	0.2228	0.0396	0.0777	0.1777	0.3486
55	36.24	0.03	-0.0001	-0.0031	0.0051	31.0000	-51.0000	0.2222	0.0391	0.0776	0.1755	0.3491
56	36.46	0.03	-0.0036	-0.0002	-0.0115	0.0050	0.3333	0.2058	0.0402	0.0699	0.1952	0.3358
57	36.72	0.02	-0.0036	0.0005	-0.0072	0.0010	0.3025	0.2225	0.0407	0.0769	0.1829	0.3455
58	36.93	0.04	0.0168	0.0022	0.0122	0.0237	1.1290	0.2236	0.0418	0.0771	0.1867	0.3444
59	37.20	0.03	0.0100	0.0016	0.0081	0.1600	0.8100	0.2315	0.0414	0.0808	0.1788	0.3489
60	37.41	0.03	0.0430	0.0024	0.0255	0.0554	0.5874	0.2437	0.0413	0.0858	0.1694	0.3520
61	37.65	0.04	0.0535	0.0034	0.0324	0.0632	0.6004	0.2434	0.0424	0.0852	0.1741	0.3455
62	37.90	0.04	0.1169	0.0076	0.0636	0.0657	0.5308	0.2598	0.0436	0.0932	0.1685	0.3587
63	38.12	0.04	0.1385	0.0076	0.0727	0.0551	0.5261	0.2706	0.0435	0.0977	0.1607	0.3611
64	38.37	0.05	0.1121	0.0056	0.0656	0.0647	0.5890	0.2722	0.0433	0.0964	0.1551	0.3616
65	38.63	0.04	0.0517	0.0056	0.0461	0.0612	0.5246	0.2617	0.0423	0.1012	0.1501	0.3563
66	38.83	0.02	0.1324	0.0062	0.0684	0.0621	0.5170	0.2690	0.0433	0.1053	0.1498	0.3644
67	39.04	0.02	0.1240	0.0132	0.0620	0.1002	0.4900	0.2806	0.0463	0.1007	0.1656	0.3585
68	39.28	0.05	0.0665	0.0105	0.0492	0.1217	0.5065	0.2728	0.0467	0.0979	0.1712	0.3589
69	39.49	0.03	0.0706	0.0147	0.0357	0.2085	0.5617	0.2654	0.0483	0.0957	0.1793	0.3553
70	39.70	0.03	0.0157	0.0105	0.0166	0.0643	1.0075	0.2745	0.0479	0.0960	0.1745	0.3571
71	39.92	0.00	0.0365	0.0143	0.0216	0.3724	0.5677	0.2768	0.0489	0.0991	0.1754	0.3555
72	40.11	0.02	0.0376	0.0122	0.0231	0.3236	0.6031	0.2819	0.0486	0.1017	0.1724	0.3608
73	40.34	0.02	-0.0027	0.0065	0.0051	-3.2963	-1.1481	0.2916	0.0468	0.1051	0.1605	0.3605
74	40.56	0.03	0.0134	0.0131	0.0155	0.5776	1.1567	0.2912	0.0483	0.1043	0.1659	0.3582
75	40.75	0.02	-0.0031	0.0112	0.0057	-3.0129	-1.1935	0.2906	0.0477	0.1036	0.1641	0.3566
76	40.97	0.01	0.0246	0.0100	0.0055	0.4002	0.6327	0.3065	0.0464	0.1117	0.1564	0.3621
77	41.16	0.00	-0.0010	0.0067	0.0004	-5.4375	-3.2500	0.3196	0.0452	0.1155	0.1414	0.3616
78	41.37	0.02	0.0010	0.0075	0.0077	0.5806	1.0132	0.3336	0.0444	0.1225	0.1331	0.3671
79	41.63	0.01	-0.0137	0.0036	-0.0028	-0.2626	0.2044	0.3387	0.0425	0.1242	0.1254	0.3666
80	41.82	-0.01	0.0010	0.0055	-0.0152	0.1264	0.5467	0.3470	0.0420	0.1261	0.1210	0.3656
81	42.01	0.01	0.0166	0.0142	0.0055	0.7553	0.5053	0.3298	0.0465	0.1188	0.1410	0.3604
82	42.21	0.00	-0.0120	0.0002	-0.0060	-0.0167	0.5300	0.3705	0.0405	0.1360	0.1093	0.3671
83	42.44	0.01	0.0145	0.0134	0.0115	0.5241	0.7931	0.3437	0.0456	0.1215	0.1327	0.3538
84	42.62	0.02	-0.0057	0.0058	-0.0020	-1.0175	0.3509	0.3670	0.0419	0.1334	0.1141	0.3635
85	42.80	0.01	0.0053	0.0146	0.0046	2.7524	0.8679	0.3383	0.0464	0.1185	0.1371	0.3504
86	42.99	0.03	0.0076	0.0121	0.0065	1.5421	0.8553	0.3515	0.0455	0.1248	0.1294	0.3545
87	43.16	0.00	-0.0116	0.0107	-0.0013	-0.9224	0.1121	0.3489	0.0464	0.1244	0.1330	0.3564
88	43.34	0.00	0.0164	0.0066	0.0066	0.4099	0.5342	0.3778	0.0420	0.1358	0.1111	0.3594
89	43.53	0.00	0.0005	0.0174	0.0048	34.8000	9.6000	0.3449	0.0503	0.1207	0.1458	0.3501
90	43.72	-0.01	0.0546	0.0061	0.0068	0.1119	0.5206	0.4004	0.0407	0.1432	0.1016	0.3576
91	43.90	0.02	0.0464	0.0037	0.0254	0.0766	0.5238	0.4006	0.0405	0.1452	0.0956	0.3571
92	44.07	0.01	0.0408	0.0075	0.0238	0.1441	0.5048	0.3944	0.0434	0.1406	0.1100	0.3565

PAGE 2 OF 3
SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART NAACP RAIO-6			PHI	CCRF	T	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 115 C-9C 1.7			0.0 0.00031 C-0			0	-30	0	-30	UNKNOWN		
PLANT	ALPHA	BETA	CNF1	CNF2	CNF3	ACPF1	YCPF1	CNF4	CF2	Co2	ACPF2	YCPF2
93	44.26	0.01	0.0479	0.0099	0.0284	0.2071	0.5502	0.3974	0.0436	0.1414	0.1097	0.3558
94	44.46	0.01	0.0456	0.0099	0.0142	0.1924	0.5509	0.4004	0.0420	0.1457	0.1034	0.3587
95	44.63	0.01	0.0525	0.0099	0.0300	0.1586	0.5706	0.4123	0.0421	0.1475	0.1021	0.3577
96	44.81	0.01	0.0504	0.0100	0.0230	0.1500	0.4573	0.4152	0.0423	0.1485	0.1018	0.3586
97	45.00	0.01	0.0596	0.0099	0.0255	0.0486	0.4255	0.4435	0.0436	0.1607	0.0892	0.3624
98	45.19	0.02	0.0678	0.0076	0.0425	0.0000	0.4386	0.4416	0.0403	0.1588	0.0912	0.3595
99	45.36	0.02	0.0354	0.0158	0.0155	0.4478	0.4504	0.4035	0.0465	0.1410	0.1152	0.3454
100	45.54	0.02	0.0567	0.0172	0.0297	0.2555	0.5051	0.3755	0.0505	0.1292	0.1345	0.3440
101	45.73	0.01	0.0154	0.0123	0.0056	0.7587	0.3636	0.4223	0.0442	0.1504	0.1047	0.3562
102	45.85	0.00	0.0623	0.0100	0.0245	0.1600	0.4727	0.4409	0.0415	0.1625	0.0933	0.3621
103	46.06	0.02	0.0742	0.0655	0.0371	0.1205	0.4084	0.4568	0.0412	0.1643	0.0902	0.3597
104	46.24	0.00	0.0160	0.0100	0.0057	0.7550	0.3107	0.4290	0.0432	0.1505	0.1053	0.3505
105	46.41	0.03	0.0771	0.0111	0.0340	0.1443	0.4436	0.4618	0.0417	0.1672	0.0903	0.3621
106	46.59	0.02	0.0354	0.0152	0.0157	0.4306	0.4440	0.4177	0.0474	0.1455	0.1135	0.3484
107	46.77	0.01	0.0157	0.0135	0.0070	0.8853	0.4459	0.4403	0.0457	0.1548	0.1038	0.3516
108	46.94	0.02	0.0155	0.0125	0.0060	0.7062	0.4600	0.4427	0.0454	0.1556	0.1025	0.3515
109	47.12	0.00	0.0653	0.0051	0.0295	0.1396	0.4571	0.4695	0.0423	0.1672	0.0901	0.3562
110	47.30	0.01	0.0257	0.0070	0.0102	0.2509	0.3984	0.4696	0.0420	0.1666	0.0854	0.3553
111	47.47	0.00	0.0060	0.0105	0.0066	1.2209	0.7907	0.4624	0.0428	0.1654	0.0925	0.3577
112	47.64	0.01	0.0252	0.0137	0.0146	0.3505	0.6293	0.4376	0.0473	0.1513	0.1081	0.3456
113	47.81	0.01	0.0773	0.0186	0.0287	0.2412	0.3709	0.4571	0.0458	0.1592	0.1002	0.3483
114	48.00	0.02	0.0344	0.0166	0.0230	0.4153	0.3052	0.4135	0.0525	0.1401	0.1208	0.3384
115	48.17	0.03	0.0685	0.0184	0.0250	0.2850	0.3640	0.4535	0.0480	0.1567	0.1058	0.3456
116	48.33	0.00	0.1080	0.0161	0.0312	0.1402	0.4705	0.4012	0.0542	0.1354	0.1351	0.3374
117	48.52	0.03	0.0235	0.0234	0.0000	0.9791	0.0251	0.4378	0.0529	0.1502	0.1209	0.3433
118	48.67	0.03	0.0072	0.0196	0.0100	2.7500	1.3889	0.4240	0.0533	0.1475	0.1243	0.3438
119	48.86	0.02	0.0517	0.0162	0.0476	0.1770	0.5191	0.4175	0.0559	0.1425	0.1339	0.3423
120	49.03	0.02	0.0779	0.0174	0.0413	0.2234	0.5302	0.4204	0.0551	0.1400	0.1287	0.3455
121	49.19	0.02	0.1085	0.0151	0.0333	0.1394	0.4712	0.4276	0.0556	0.1470	0.1301	0.3438
122	49.30	0.03	0.1055	0.0055	0.0215	0.0490	0.4726	0.4310	0.0538	0.1505	0.1245	0.3452
123	49.55	0.00	0.1540	0.0076	0.0744	0.0494	0.4628	0.4492	0.0520	0.1567	0.1158	0.3485
124	49.74	0.03	0.0055	0.0066	0.0000	0.0421	0.4706	0.5293	0.0469	0.1965	0.0886	0.3713
125	49.91	0.06	0.1057	0.0100	0.0433	0.0641	0.5024	0.5578	0.0461	0.2102	0.0826	0.3765
126	50.06	0.03	0.1002	0.0126	0.0514	0.0374	0.4805	0.5501	0.0453	0.2064	0.0616	0.3716
127	50.29	0.04	0.2455	0.0100	0.1214	0.0653	0.4867	0.5457	0.0466	0.1956	0.0854	0.3658
128	50.48	0.06	0.0481	0.0126	0.0005	0.1920	0.3146	0.4951	0.0555	0.1727	0.1121	0.3487
129	50.65	0.08	0.0245	0.0244	0.0025	1.1558	0.1025	0.5012	0.0536	0.1757	0.1110	0.3503
130	50.85	0.05	0.0423	0.0126	0.0000	0.4408	0.0000	0.5069	0.0553	0.1805	0.1087	0.3546
131	51.00	0.11	0.0844	0.0488	0.0483	0.5235	0.5404	0.5353	0.0546	0.1925	0.1020	0.3596
132	51.18	0.10	0.1303	0.0083	0.0424	0.0010	0.3110	0.5447	0.0514	0.1959	0.0944	0.3596
133	51.34	0.06	0.1226	0.0000	0.0252	0.0245	0.2376	0.5356	0.0535	0.1905	0.0959	0.3555
134	51.51	0.06	0.1012	0.0133	0.0021	0.0136	0.3425	0.5655	0.0465	0.2152	0.0755	0.3645
135	51.68	0.04	0.1980	0.0173	0.0611	0.0076	0.3087	0.5915	0.0474	0.2147	0.0801	0.3630
136	51.85	0.04	0.2586	0.0325	0.0605	0.1455	0.3445	0.6208	0.0420	0.2272	0.0676	0.3659
137	52.03	0.06	0.1476	0.0227	0.0476	0.1535	0.3220	0.6681	0.0355	0.2472	0.0591	0.3700
138	52.19	0.03	0.1850	0.0220	0.0643	0.1142	0.3470	0.6497	0.0417	0.2357	0.0642	0.3685

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	AX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
1	119	0.90	1.7	0.0	0.0	0	-30	0	-30	UNKNOWN
POINT	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8
139	52.37	0.04	-0.1277	-0.0195	-0.0337	0.1531	0.2904	0.6714	0.0416	0.2468
140	52.34	0.07	-0.1336	-0.0217	-0.0350	0.1414	0.3251	0.6555	0.0441	0.2411
141	52.71	0.09	-0.1312	-0.0204	-0.0410	0.1551	0.3110	0.6505	0.0442	0.2361
142	52.80	0.00	-0.1445	-0.0225	-0.0454	0.1504	0.3061	0.6609	0.0450	0.2394
143	53.00	0.00	-0.1539	-0.0232	-0.0492	0.1513	0.3203	0.6747	0.0446	0.2467
144	53.22	0.00	-0.1625	-0.0192	-0.0355	0.1201	0.3194	0.6660	0.0435	0.2445
145	53.39	0.00	-0.1283	-0.0172	-0.0373	0.1344	0.2906	0.6660	0.0443	0.2457
146	53.55	0.06	-0.1300	-0.0205	-0.0421	0.1502	0.3077	0.6845	0.0451	0.2500
147	53.73	0.07	-0.1161	-0.0185	-0.0334	0.1550	0.2801	0.6845	0.0455	0.2476
148	53.80	0.00	-0.1070	-0.0100	-0.0200	0.1543	0.2645	0.6607	0.0456	0.2473
149	54.04	0.05	-0.1152	-0.0151	-0.0330	0.1209	0.2815	0.6553	0.0436	0.2525
150	54.20	0.06	-0.0803	-0.0130	-0.0150	0.1598	0.2303	0.6450	0.0435	0.2488
151	54.35	0.06	-0.0511	-0.0144	-0.0226	0.1504	0.2406	0.6661	0.0445	0.2448
152	54.51	0.06	-0.0050	-0.0131	-0.0217	0.1472	0.2436	0.6946	0.0455	0.2466
153	54.67	0.07	-0.0730	-0.0140	-0.0130	0.1504	0.1346	0.6668	0.0445	0.2438
154	54.82	0.05	-0.0780	-0.0132	-0.0104	0.1684	0.2092	0.6853	0.0460	0.2421
155	54.96	0.06	-0.0791	-0.0132	-0.0174	0.1673	0.2265	0.6931	0.0454	0.2433
156	55.13	0.04	-0.0010	-0.0132	-0.0102	0.1634	0.2292	0.6993	0.0437	0.2481
157	55.27	0.05	-0.0730	-0.0144	-0.0135	0.1657	0.1334	0.6896	0.0466	0.2413
158	55.43	0.06	-0.0570	-0.0130	-0.0005	0.2423	0.1142	0.6930	0.0467	0.2421
159	55.59	0.06	-0.0000	-0.0112	-0.0003	0.1645	0.1307	0.6855	0.0466	0.2367
160	55.75	0.06	-0.0499	-0.0127	-0.0031	0.2530	0.0022	0.6809	0.0474	0.2351
161	55.91	0.05	-0.0305	-0.0115	-0.0030	0.3514	-0.0387	0.6744	0.0476	0.2325
162	56.08	0.05	-0.0346	-0.0110	-0.0014	0.3100	-0.0290	0.6736	0.0475	0.2305
163	56.22	0.06	-0.0314	-0.0110	-0.0032	0.3514	-0.1022	0.6825	0.0480	0.2356
164	56.37	0.05	-0.0142	-0.0093	-0.0000	0.6549	-0.0761	0.6777	0.0476	0.2324
165	56.53	0.04	-0.0000	-0.0090	-0.0111	1.0227	-1.2014	0.6759	0.0485	0.2257
166	56.68	0.00	-0.0050	-0.0070	-0.0123	1.5000	-2.5000	0.6702	0.0489	0.2270
167	56.84	0.07	-0.0075	-0.0063	-0.0124	1.1857	-1.7714	0.6696	0.0496	0.2245
168	56.99	0.04	-0.0000	-0.0070	-0.0144	1.5000	-3.0000	0.6772	0.0491	0.2310
169	57.14	0.05	-0.0150	-0.0075	-0.0080	0.5000	-0.5000	0.6605	0.0493	0.2254
170	57.26	0.06	-0.0110	-0.0070	-0.0103	0.7000	-0.9000	0.6730	0.0493	0.2279
171	57.43	0.06	-0.0070	-0.0080	-0.0127	1.0250	-1.6202	0.6702	0.0495	0.2279
172	57.59	0.04	-0.0112	-0.0050	-0.0100	0.6000	1.0700	0.6651	0.0503	0.2234
173	57.73	0.00	-0.0017	-0.0045	-0.0155	-2.6471	-9.1178	0.6700	0.0498	0.2253
174	57.87	-0.02	-0.0000	-0.0024	-0.0101	-0.3470	-2.3333	0.7120	0.0403	0.2468
175	58.03	-0.04	-0.0000	-0.0030	-0.0143	-15.0000	-71.5000	0.6991	0.0490	0.2415
176	58.17	-0.04	-0.0075	-0.0024	-0.0000	0.0000	0.1070	0.7333	0.0402	0.2385
177	58.33	-0.10	-0.0000	-0.0000	-0.0000	0.0000	0.0000	0.7256	0.0490	0.2513
178	58.40	-0.00	-0.0000	-0.0000	-0.0000	0.0000	0.0000	0.7057	0.0494	0.2427
179	58.48	-0.07	-0.0130	-0.0010	-0.0062	0.0725	-0.4453	0.7121	0.0496	0.2429
180	58.40	-0.06	-0.0110	-0.0012	0.0000	0.0074	-0.2753	0.7211	0.0495	0.2479

PAGE 3 OF 3
SHEET 1 OF 4

MARTIA MISSILE TAILS EFFECTS DATA

TEST PART NAME		PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION			
7 119 C-90 1.7		0.0	0.100F31	0.0	0	-30	0	-30	UNKNOWN			
PLINT	ALPHA	BETA	CNF3	CH3	CH3	XCFF3	YCF3	CNF4	CH4	CB4	XCFF4	YCF4
1	-5.56	0.02	-0.0050	5.9999	0.0154	5.9999	-3.0600	-1.1636	-0.0246	-0.4590	0.0211	0.3945
2	-5.55	0.03	-0.0001	5.9999	0.0161	5.9999	-160.0000	-1.1517	-0.0438	-0.4532	0.0207	0.3935
3	-5.56	0.02	-0.0014	5.9999	0.0154	5.9999	-11.0000	-1.1644	-0.0238	-0.4594	0.0205	0.3946
4	-5.56	0.03	-0.0014	5.9999	0.0154	5.9999	-11.0000	-1.1633	-0.0232	-0.4583	0.0200	0.3940
5	-5.04	0.03	0.0007	5.9999	0.0156	5.9999	22.5714	-1.1404	-0.0257	-0.4512	0.0225	0.3957
6	-3.98	0.03	0.0082	5.9999	0.0214	5.9999	2.6096	-1.1411	-0.0362	-0.4503	0.0317	0.4017
7	-2.55	0.03	-0.0005	5.9999	0.0175	5.9999	-19.3389	-1.1580	-0.0246	-0.4763	0.0214	0.4137
8	-0.64	0.02	0.0055	5.9999	0.0156	5.9999	3.6000	-1.1037	-0.0166	-0.4598	0.0153	0.4167
9	1.07	0.02	0.0047	5.9999	0.0157	5.9999	4.9250	-1.0107	-0.0154	-0.4271	0.0151	0.4152
10	2.85	0.02	0.0048	5.9999	0.0104	5.9999	3.0000	-0.9194	-0.0156	-0.3895	0.0172	0.4237
11	4.57	0.03	0.0066	5.9999	0.0226	5.9999	2.5908	-0.8313	-0.0153	-0.3542	0.0184	0.4281
12	6.34	0.02	0.0067	5.9999	0.0231	5.9999	3.4478	-0.7300	-0.0148	-0.3119	0.0201	0.4234
13	6.15	0.03	0.0018	5.9999	0.0215	5.9999	12.1667	-0.6273	-0.0143	-0.2669	0.0228	0.4256
14	5.84	0.03	0.0032	5.9999	0.0223	5.9999	6.4600	-0.5515	-0.0125	-0.2306	0.0227	0.4181
15	11.76	0.02	0.0015	5.9999	0.0195	5.9999	39.3000	-0.4519	-0.0116	-0.1861	0.0257	0.4118
16	13.55	0.03	0.0004	5.9999	0.0211	5.9999	2.3706	-0.3750	-0.0108	-0.1451	0.0269	0.3876
17	15.43	0.03	0.0114	5.9999	0.0175	5.9999	1.4706	-0.2902	-0.0092	-0.1064	0.0318	0.3667
18	17.35	0.03	0.0135	5.9999	0.0143	5.9999	1.0593	-0.2203	-0.0080	-0.0697	0.0391	0.3167
19	19.23	0.03	0.0212	5.9999	0.0157	5.9999	0.7406	-0.1294	-0.0060	-0.0348	0.0465	0.2688
20	21.12	0.02	0.0150	5.9999	0.0130	5.9999	0.6667	-0.0672	-0.0026	-0.0080	0.0387	0.1192
21	23.02	0.02	0.0124	5.9999	0.0115	5.9999	0.7012	-0.0303	0.0036	0.0067	-0.1258	-0.2881
22	24.88	0.03	0.0262	5.9999	0.0101	5.9999	0.6109	-0.0199	0.0132	0.0109	-0.6633	-0.5477
23	26.79	0.04	0.0337	5.9999	0.0215	5.9999	0.6518	-0.0028	0.0197	0.0180	-7.0357	-6.4268
24	28.17	0.07	0.0463	5.9999	0.0284	5.9999	0.5871	0.0072	0.0240	0.0215	3.3333	2.9861
25	28.21	0.06	0.0424	5.9999	0.0250	5.9999	0.5983	-0.0023	0.0241	0.0191	-10.4783	-8.3043
26	28.62	0.05	0.0338	5.9999	0.0330	5.9999	0.6127	-0.0042	0.0243	0.0173	-5.7857	-4.1190
27	28.89	0.06	0.0567	5.9999	0.0330	5.9999	0.5813	-0.0057	0.0243	0.0180	-4.2632	-3.1575
28	29.16	0.07	0.0463	5.9999	0.0272	5.9999	0.5806	0.0198	0.0257	0.0283	1.2525	1.4242
29	29.50	0.07	0.0428	5.9999	0.0261	5.9999	0.6089	0.0176	0.0255	0.0272	1.4432	1.5358
30	29.00	0.09	0.0441	5.9999	0.0202	5.9999	0.5553	0.0191	0.0264	0.0279	1.3770	1.4555
31	30.07	0.06	0.0567	5.9999	0.0330	5.9999	0.5313	0.0114	0.0262	0.0237	2.2855	2.0789
32	30.35	0.11	0.0636	5.9999	0.0306	5.9999	0.5780	0.0095	0.0281	0.0225	2.5474	2.4105
33	30.62	0.05	0.0555	5.9999	0.0335	5.9999	0.5986	0.0106	0.0286	0.0238	2.6887	2.2453
34	30.91	0.10	0.0535	5.9999	0.0311	5.9999	0.5762	0.0193	0.0294	0.0277	1.5181	1.4300
35	31.17	0.11	0.0567	5.9999	0.0333	5.9999	0.5366	0.0266	0.0301	0.0308	1.1321	1.1585
36	31.45	0.11	0.0623	5.9999	0.0362	5.9999	0.5804	0.0248	0.0312	0.0307	1.2591	1.2365
37	31.73	0.05	0.0553	5.9999	0.0325	5.9999	0.5942	0.0315	0.0306	0.0415	0.5534	0.8054
38	31.98	0.10	0.0664	5.9999	0.0386	5.9999	0.5837	0.0512	0.0316	0.0410	0.6164	0.8004
39	32.27	0.10	0.0605	5.9999	0.0361	5.9999	0.5921	0.0684	0.0319	0.0487	0.4656	0.7116
40	32.52	0.10	0.0610	5.9999	0.0346	5.9999	0.5858	0.0600	0.0326	0.0478	0.4962	0.7238
41	32.79	0.12	0.0681	5.9999	0.0340	5.9999	0.5721	0.0663	0.0331	0.0495	0.4835	0.7243
42	33.07	0.13	0.0758	5.9999	0.0432	5.9999	0.5701	0.0542	0.0337	0.0431	0.6211	0.7548
43	33.31	0.13	0.0694	5.9999	0.0402	5.9999	0.5786	0.0459	0.0340	0.0397	0.7402	0.8666
44	33.50	0.13	0.0772	5.9999	0.0435	5.9999	0.5688	0.0668	0.0345	0.0481	0.5157	0.7196
45	33.62	0.14	0.0753	5.9999	0.0446	5.9999	0.5626	0.0597	0.0354	0.0449	0.5523	0.7517
46	34.08	0.12	0.0654	5.9999	0.0357	5.9999	0.5714	0.0578	0.0356	0.0449	0.6153	0.7764

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RXIC-6			PHI		CNF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 115 0.90 1-7			0.0		0.0		0.0		0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	LNFB	CM3	CoJ	ALPFB	YLPFB	CNF4	CM4	Co4	ALPFB4	YLPFB4		
47	34.32	0.11	0.0715	5.5555	0.0415	5.5555	0.5798	0.0373	0.0371	0.0521	0.5020	0.7058		
48	34.50	0.11	0.0673	5.5555	0.0401	5.5555	0.5452	0.0376	0.0373	0.0538	0.4850	0.7001		
49	34.82	0.10	0.0582	5.5555	0.0335	5.5555	0.6025	0.0784	0.0381	0.0568	0.4855	0.6555		
50	35.06	0.08	0.0596	5.5555	0.0375	5.5555	0.6280	0.0800	0.0388	0.0557	0.4475	0.6898		
51	35.29	0.06	0.0443	5.5555	0.0282	5.5555	0.6493	0.0970	0.0394	0.0636	0.4060	0.6566		
52	35.53	0.06	0.0540	5.5555	0.0342	5.5555	0.6438	0.1148	0.0399	0.0704	0.3473	0.6176		
53	35.78	0.04	0.0432	5.5555	0.0290	5.5555	0.6644	0.1233	0.0432	0.0764	0.2260	0.6195		
54	36.02	0.04	0.0373	5.5555	0.0260	5.5555	0.6962	0.1230	0.0399	0.0767	0.2228	0.6204		
55	36.24	0.03	0.0327	5.5555	0.0267	5.5555	0.6391	0.1461	0.0412	0.0875	0.2619	0.5588		
56	36.48	0.03	0.0345	5.5555	0.0235	5.5555	0.7320	0.1555	0.0358	0.0922	0.2558	0.5928		
57	36.72	0.02	0.0324	5.5555	0.0235	5.5555	0.7355	0.1750	0.0403	0.1011	0.2302	0.5775		
58	36.93	0.04	0.0317	5.5555	0.0273	5.5555	0.7047	0.1722	0.0398	0.0943	0.2311	0.5768		
59	37.20	0.03	0.0353	5.5555	0.0252	5.5555	0.7423	0.1629	0.0394	0.1026	0.2153	0.5611		
60	37.41	0.03	0.0331	5.5555	0.0245	5.5555	0.7515	0.1730	0.0398	0.0993	0.2300	0.5742		
61	37.65	0.04	0.0442	5.5555	0.0321	5.5555	0.7256	0.1843	0.0357	0.1048	0.2153	0.5688		
62	37.90	0.04	0.0457	5.5555	0.0346	5.5555	0.6956	0.1929	0.0400	0.1078	0.2104	0.5596		
63	38.12	0.04	0.0386	5.5555	0.0266	5.5555	0.7351	0.1820	0.0400	0.1022	0.2219	0.5617		
64	38.37	0.05	0.0442	5.5555	0.0316	5.5555	0.7143	0.1953	0.0405	0.1075	0.2073	0.5526		
65	38.60	0.04	0.0421	5.5555	0.0301	5.5555	0.7262	0.2067	0.0403	0.1146	0.1945	0.5545		
66	38.83	0.02	0.0425	5.5555	0.0301	5.5555	0.6912	0.2050	0.0412	0.1130	0.2009	0.5513		
67	39.04	0.02	0.0400	5.5555	0.0290	5.5555	0.7243	0.2205	0.0401	0.1214	0.1818	0.5505		
68	39.28	0.05	0.0414	5.5555	0.0301	5.5555	0.7204	0.2304	0.0357	0.1303	0.1665	0.5464		
69	39.49	0.03	0.0360	5.5555	0.0265	5.5555	0.7451	0.2568	0.0363	0.1356	0.1479	0.5353		
70	39.70	0.03	0.0316	5.5555	0.0241	5.5555	0.7603	0.2622	0.0377	0.1510	0.1335	0.5352		
71	39.92	0.00	0.0346	5.5555	0.0256	5.5555	0.7391	0.2914	0.0381	0.1553	0.1307	0.5336		
72	40.11	0.02	0.0375	5.5555	0.0275	5.5555	0.7306	0.2855	0.0384	0.1517	0.1344	0.5314		
73	40.34	0.02	0.0352	5.5555	0.0245	5.5555	0.7452	0.2962	0.0380	0.1562	0.1282	0.5274		
74	40.56	0.03	0.0331	5.5555	0.0232	5.5555	0.7806	0.3087	0.0375	0.1611	0.1214	0.5219		
75	40.75	0.02	0.0373	5.5555	0.0272	5.5555	0.7285	0.3127	0.0374	0.1622	0.1155	0.5187		
76	40.97	0.01	0.0331	5.5555	0.0255	5.5555	0.7697	0.3019	0.0387	0.1565	0.1281	0.5184		
77	41.16	0.00	0.0316	5.5555	0.0241	5.5555	0.7603	0.3119	0.0390	0.1615	0.1250	0.5178		
78	41.37	0.02	0.0304	5.5555	0.0232	5.5555	0.7657	0.3193	0.0380	0.1623	0.1215	0.5085		
79	41.63	0.01	0.0352	5.5555	0.0262	5.5555	0.7436	0.3100	0.0401	0.1596	0.1293	0.5145		
80	41.86	0.01	0.0374	5.5555	0.0272	5.5555	0.7205	0.3155	0.0407	0.1625	0.1269	0.5151		
81	42.01	0.01	0.0325	5.5555	0.0245	5.5555	0.7654	0.3373	0.0373	0.1717	0.1105	0.5089		
82	42.21	0.00	0.0374	5.5555	0.0267	5.5555	0.7131	0.3223	0.0411	0.1643	0.1275	0.5099		
83	42.44	0.01	0.0312	5.5555	0.0231	5.5555	0.7428	0.3357	0.0362	0.1796	0.1017	0.5048		
84	42.62	0.02	0.0353	5.5555	0.0262	5.5555	0.7415	0.3415	0.0393	0.1732	0.1150	0.5076		
85	42.80	0.01	0.0353	5.5555	0.0257	5.5555	0.7273	0.3635	0.0356	0.1825	0.0978	0.5019		
86	42.95	0.03	0.0315	5.5555	0.0220	5.5555	0.7170	0.3502	0.0361	0.1802	0.1007	0.5029		
87	43.16	0.00	0.0360	5.5555	0.0263	5.5555	0.7298	0.3776	0.0380	0.1883	0.0953	0.4987		
88	43.34	0.00	0.0316	5.5555	0.0246	5.5555	0.7729	0.3531	0.0362	0.1745	0.1081	0.5082		
89	43.53	0.00	0.0270	5.5555	0.0203	5.5555	0.7621	0.4016	0.0334	0.1950	0.0831	0.4955		
90	43.72	0.01	0.0401	5.5555	0.0256	5.5555	0.7375	0.3503	0.0394	0.1800	0.1055	0.5022		
91	43.90	0.02	0.0331	5.5555	0.0252	5.5555	0.7606	0.3438	0.0411	0.1737	0.1195	0.5051		
92	44.07	0.01	0.0422	5.5555	0.0301	5.5555	0.7126	0.3769	0.0375	0.1890	0.1000	0.4988		

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH FXIC-6				PHI	CCNF	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 119 0.90 1.7				C.C	3100F31	C.C	0	-30	0	-30	UNKNOWN	
FCINT	ALPHA	BETA	CNF3	CH3	CB3	ACPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	44.26	0.01	0.0227	5.5555	0.0173	5.5555	0.7621	0.3722	0.0382	0.1857	0.1026	0.4989
94	44.46	0.01	0.0354	5.5555	0.0275	5.5555	0.7074	0.3743	0.0401	0.1667	0.1071	0.4986
95	44.63	0.01	0.0373	5.5555	0.0283	5.5555	0.7043	0.3829	0.0388	0.1699	0.1013	0.4959
96	44.81	0.01	0.0312	5.5555	0.0233	5.5555	0.7350	0.3733	0.0402	0.1852	0.1077	0.4961
97	45.00	0.01	0.0326	5.5555	0.0268	5.5555	0.7315	0.3535	0.0436	0.1757	0.1232	0.4963
98	45.19	0.02	0.0344	5.5555	0.0275	5.5555	0.7074	0.3681	0.0423	0.1640	0.1149	0.4995
99	45.36	0.02	0.0353	5.5555	0.0261	5.5555	0.6847	0.4067	0.0366	0.2019	0.0855	0.4546
100	45.54	0.02	0.0277	5.5555	0.0154	5.5555	0.7029	0.4511	0.0332	0.2156	0.0735	0.4873
101	45.73	0.01	0.0340	5.5555	0.0238	5.5555	0.7021	0.4603	0.0391	0.1555	0.0974	0.4571
102	45.89	0.00	0.0326	5.5555	0.0220	5.5555	0.6769	0.3800	0.0421	0.1900	0.1108	0.5000
103	46.06	0.02	0.0458	5.5555	0.0305	5.5555	0.6740	0.3783	0.0436	0.1878	0.1158	0.4564
104	46.24	0.00	0.0402	5.5555	0.0277	5.5555	0.6883	0.4100	0.0395	0.2070	0.0943	0.4546
105	46.41	0.03	0.0366	5.5555	0.0273	5.5555	0.7028	0.3996	0.0415	0.1580	0.1038	0.4955
106	46.59	0.02	0.0360	5.5555	0.0260	5.5555	0.6743	0.4536	0.0362	0.2231	0.0747	0.4517
107	46.77	0.01	0.0360	5.5555	0.0257	5.5555	0.7131	0.4338	0.0385	0.2146	0.0887	0.4948
108	46.94	0.02	0.0354	5.5555	0.0238	5.5555	0.6886	0.4644	0.0382	0.2185	0.0856	0.4918
109	47.12	0.00	0.0417	5.5555	0.0261	5.5555	0.6731	0.4126	0.0427	0.2040	0.1034	0.4944
110	47.30	0.01	0.0355	5.5555	0.0274	5.5555	0.6929	0.4112	0.0433	0.2050	0.1053	0.4585
111	47.47	0.00	0.0355	5.5555	0.0231	5.5555	0.6525	0.4216	0.0410	0.2086	0.0572	0.4554
112	47.64	0.01	0.0385	5.5555	0.0268	5.5555	0.6801	0.4476	0.0397	0.2211	0.0866	0.4538
113	47.81	0.01	0.0417	5.5555	0.0276	5.5555	0.6811	0.4159	0.0427	0.2081	0.1017	0.4957
114	48.00	0.02	0.0341	5.5555	0.0215	5.5555	0.6441	0.4757	0.0381	0.2341	0.0601	0.4521
115	48.17	0.03	0.0472	5.5555	0.0311	5.5555	0.6582	0.4343	0.0427	0.2159	0.0983	0.4672
116	48.33	0.00	0.0249	5.5555	0.0156	5.5555	0.6577	0.4637	0.0366	0.2423	0.0741	0.4508
117	48.52	0.03	0.0353	5.5555	0.0223	5.5555	0.6717	0.4705	0.0368	0.2313	0.0824	0.4512
118	48.67	0.03	0.0272	5.5555	0.0165	5.5555	0.6236	0.4739	0.0381	0.2333	0.0804	0.4523
119	48.86	0.02	0.0313	5.5555	0.0157	5.5555	0.6314	0.5153	0.0358	0.2513	0.0654	0.4877
120	49.03	0.02	0.0376	5.5555	0.0236	5.5555	0.6347	0.5129	0.0358	0.2456	0.0657	0.4866
121	49.19	0.02	0.0334	5.5555	0.0207	5.5555	0.6216	0.5244	0.0355	0.2545	0.0676	0.4854
122	49.36	0.03	0.0208	5.5555	0.0130	5.5555	0.6250	0.5476	0.0326	0.2645	0.0598	0.4829
123	49.56	0.00	0.0307	5.5555	0.0168	5.5555	0.6144	0.5357	0.0361	0.2605	0.0673	0.4863
124	49.74	0.03	0.0346	5.5555	0.0220	5.5555	0.6340	0.6037	0.0314	0.2424	0.0520	0.4843
125	49.91	0.00	0.0383	5.5555	0.0248	5.5555	0.6466	0.5565	0.0332	0.2513	0.0556	0.4865
126	50.08	0.03	0.0371	5.5555	0.0235	5.5555	0.6356	0.6174	0.0292	0.3002	0.0472	0.4863
127	50.23	0.04	0.0344	5.5555	0.0220	5.5555	0.6322	0.6554	0.0263	0.3145	0.0401	0.4799
128	50.48	0.00	0.0356	5.5555	0.0232	5.5555	0.6335	0.6420	0.0306	0.3046	0.0479	0.4739
129	50.65	0.08	0.0323	5.5555	0.0330	5.5555	0.6303	0.6205	0.0323	0.2543	0.0520	0.4743
130	50.83	0.05	0.0468	5.5555	0.0327	5.5555	0.6094	0.5257	0.0430	0.2501	0.0818	0.4758
131	51.00	0.11	0.0385	5.5555	0.0395	5.5555	0.6315	0.5024	0.0421	0.2363	0.0838	0.4703
132	51.18	0.10	0.0403	5.5555	0.0308	5.5555	0.6369	0.5476	0.0437	0.2644	0.0758	0.4829
133	51.34	0.08	0.0461	5.5555	0.0306	5.5555	0.6036	0.5326	0.0485	0.2577	0.0873	0.4837
134	51.51	0.06	0.0454	5.5555	0.0300	5.5555	0.6000	0.5067	0.0492	0.2433	0.0971	0.4801
135	51.68	0.04	0.0446	5.5555	0.0302	5.5555	0.6134	0.5253	0.0539	0.2553	0.0969	0.4861
136	51.85	0.04	0.0401	5.5555	0.0283	5.5555	0.6404	0.5207	0.0531	0.2557	0.1020	0.4911
137	52.03	0.06	0.0420	5.5555	0.0288	5.5555	0.6325	0.4813	0.0512	0.2308	0.1064	0.4795
138	52.19	0.03	0.0317	5.5555	0.0333	5.5555	0.6034	0.5118	0.0512	0.2475	0.1000	0.4836

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME		PHI		CNF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		115 C.90 1.7		C.C 810CF31		C.C		0		-30		0		-30		UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CNF4	CNF5	CNF6	CNF7	CNF8	CNF9	CNF10	CNF11	CNF12	CNF13	CNF14	CNF15	CNF16	CNF17
139	52.37	0.04	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475
140	52.54	0.07	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512
141	52.71	0.09	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551
142	52.88	0.12	0.0590	0.0590	0.0590	0.0590	0.0590	0.0590	0.0590	0.0590	0.0590	0.0590	0.0590	0.0590	0.0590	0.0590	0.0590
143	53.06	0.15	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629	0.0629
144	53.22	0.18	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668	0.0668
145	53.39	0.21	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707
146	53.55	0.24	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
147	53.73	0.27	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785	0.0785
148	53.88	0.30	0.0824	0.0824	0.0824	0.0824	0.0824	0.0824	0.0824	0.0824	0.0824	0.0824	0.0824	0.0824	0.0824	0.0824	0.0824
149	54.04	0.33	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863
150	54.20	0.36	0.0902	0.0902	0.0902	0.0902	0.0902	0.0902	0.0902	0.0902	0.0902	0.0902	0.0902	0.0902	0.0902	0.0902	0.0902
151	54.35	0.39	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941
152	54.51	0.42	0.0980	0.0980	0.0980	0.0980	0.0980	0.0980	0.0980	0.0980	0.0980	0.0980	0.0980	0.0980	0.0980	0.0980	0.0980
153	54.67	0.45	0.1019	0.1019	0.1019	0.1019	0.1019	0.1019	0.1019	0.1019	0.1019	0.1019	0.1019	0.1019	0.1019	0.1019	0.1019
154	54.82	0.48	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058
155	54.98	0.51	0.1097	0.1097	0.1097	0.1097	0.1097	0.1097	0.1097	0.1097	0.1097	0.1097	0.1097	0.1097	0.1097	0.1097	0.1097
156	55.13	0.54	0.1136	0.1136	0.1136	0.1136	0.1136	0.1136	0.1136	0.1136	0.1136	0.1136	0.1136	0.1136	0.1136	0.1136	0.1136
157	55.29	0.57	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175	0.1175
158	55.43	0.60	0.1214	0.1214	0.1214	0.1214	0.1214	0.1214	0.1214	0.1214	0.1214	0.1214	0.1214	0.1214	0.1214	0.1214	0.1214
159	55.59	0.63	0.1253	0.1253	0.1253	0.1253	0.1253	0.1253	0.1253	0.1253	0.1253	0.1253	0.1253	0.1253	0.1253	0.1253	0.1253
160	55.75	0.66	0.1292	0.1292	0.1292	0.1292	0.1292	0.1292	0.1292	0.1292	0.1292	0.1292	0.1292	0.1292	0.1292	0.1292	0.1292
161	55.91	0.69	0.1331	0.1331	0.1331	0.1331	0.1331	0.1331	0.1331	0.1331	0.1331	0.1331	0.1331	0.1331	0.1331	0.1331	0.1331
162	56.06	0.72	0.1370	0.1370	0.1370	0.1370	0.1370	0.1370	0.1370	0.1370	0.1370	0.1370	0.1370	0.1370	0.1370	0.1370	0.1370
163	56.22	0.75	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409
164	56.37	0.78	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448	0.1448
165	56.53	0.81	0.1487	0.1487	0.1487	0.1487	0.1487	0.1487	0.1487	0.1487	0.1487	0.1487	0.1487	0.1487	0.1487	0.1487	0.1487
166	56.68	0.84	0.1526	0.1526	0.1526	0.1526	0.1526	0.1526	0.1526	0.1526	0.1526	0.1526	0.1526	0.1526	0.1526	0.1526	0.1526
167	56.84	0.87	0.1565	0.1565	0.1565	0.1565	0.1565	0.1565	0.1565	0.1565	0.1565	0.1565	0.1565	0.1565	0.1565	0.1565	0.1565
168	56.99	0.90	0.1604	0.1604	0.1604	0.1604	0.1604	0.1604	0.1604	0.1604	0.1604	0.1604	0.1604	0.1604	0.1604	0.1604	0.1604
169	57.14	0.93	0.1643	0.1643	0.1643	0.1643	0.1643	0.1643	0.1643	0.1643	0.1643	0.1643	0.1643	0.1643	0.1643	0.1643	0.1643
170	57.28	0.96	0.1682	0.1682	0.1682	0.1682	0.1682	0.1682	0.1682	0.1682	0.1682	0.1682	0.1682	0.1682	0.1682	0.1682	0.1682
171	57.43	0.99	0.1721	0.1721	0.1721	0.1721	0.1721	0.1721	0.1721	0.1721	0.1721	0.1721	0.1721	0.1721	0.1721	0.1721	0.1721
172	57.59	1.02	0.1760	0.1760	0.1760	0.1760	0.1760	0.1760	0.1760	0.1760	0.1760	0.1760	0.1760	0.1760	0.1760	0.1760	0.1760
173	57.73	1.05	0.1799	0.1799	0.1799	0.1799	0.1799	0.1799	0.1799	0.1799	0.1799	0.1799	0.1799	0.1799	0.1799	0.1799	0.1799
174	57.89	1.08	0.1838	0.1838	0.1838	0.1838	0.1838	0.1838	0.1838	0.1838	0.1838	0.1838	0.1838	0.1838	0.1838	0.1838	0.1838
175	58.03	1.11	0.1877	0.1877	0.1877	0.1877	0.1877	0.1877	0.1877	0.1877	0.1877	0.1877	0.1877	0.1877	0.1877	0.1877	0.1877
176	58.17	1.14	0.1916	0.1916	0.1916	0.1916	0.1916	0.1916	0.1916	0.1916	0.1916	0.1916	0.1916	0.1916	0.1916	0.1916	0.1916
177	58.33	1.17	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955
178	58.46	1.20	0.1994	0.1994	0.1994	0.1994	0.1994	0.1994	0.1994	0.1994	0.1994	0.1994	0.1994	0.1994	0.1994	0.1994	0.1994
179	58.62	1.23	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033	0.2033
180	58.78	1.26	0.2072	0.2072	0.2072	0.2072	0.2072	0.2072	0.2072	0.2072	0.2072	0.2072	0.2072	0.2072	0.2072	0.2072	0.2072

PAGE 1 OF 3
SHEET 1 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: RX10-6		PH: CCNF		L DEL1 DEL2 DEL3 DEL4 TRANSITION							
7 120 1.00 1.7		C.C. 01NOF31 C.C.		0 -30 0 -30 UNKNOWN							
FCINT	ALPHA	BETA	CH	CLM	CL	CLA	CLL	CA	CAB	CAF	XCP
1	-5.62	0.01	-3.9748	13.3483	-0.0077	-0.0041	-0.0080	2.1258	0.4543	1.6715	-3.4086
2	-5.63	0.02	-4.0240	13.0722	0.0373	-0.0775	0.0039	2.1345	0.4542	1.6853	-3.3577
3	-5.62	0.02	-4.0332	13.7223	-0.0776	0.0605	0.0036	2.1381	0.4539	1.6842	-3.4023
4	-5.62	0.03	-4.0622	13.0188	0.0150	-0.0283	-0.0022	2.1377	0.4527	1.6850	-3.3809
5	-4.61	0.03	-3.9570	14.0318	-0.0005	-0.1040	0.0044	2.0663	0.3785	1.6878	-3.5461
6	-2.92	0.02	-3.7451	13.7755	-0.0046	-0.1753	0.0343	1.9413	0.2585	1.6828	-3.6755
7	-1.27	0.02	-3.3683	12.8525	0.0162	-0.0584	-0.0008	1.8080	0.1813	1.6267	-3.6091
8	0.49	0.03	-3.0113	11.9304	0.0020	-0.0888	-0.0005	1.7017	0.1609	1.5348	-3.5619
9	2.22	0.02	-2.6287	10.9305	-0.0045	-0.0220	-0.0003	1.5785	0.1000	1.4165	-4.1582
10	3.96	0.03	-2.2514	10.0027	0.0635	-0.1150	0.0003	1.4689	0.1512	1.3177	-4.3872
11	5.74	0.03	-1.8318	8.5088	-0.0628	-0.1353	-0.0052	1.3318	0.1573	1.1745	-4.8637
12	7.59	0.02	-1.4203	7.0317	-0.0052	-0.0682	-0.0050	1.2056	0.1604	1.0452	-5.5140
13	9.36	0.03	-1.0189	5.6203	-0.0013	-0.0081	-0.0047	1.0753	0.1601	0.9152	-6.6936
14	11.22	0.03	-0.5454	5.1081	0.0074	-0.0227	-0.0050	0.9550	0.1615	0.7935	-10.5763
15	13.05	0.04	-0.0975	4.6005	0.0351	-0.0077	-0.0152	0.8360	0.1580	0.6761	-49.0740
16	14.99	0.04	0.3560	3.9956	-0.1028	0.1280	-0.0147	0.7136	0.1585	0.5551	11.1724
17	16.89	0.03	0.8162	3.2012	-0.0010	0.2324	-0.0202	0.6073	0.1684	0.4409	3.6076
18	18.82	0.03	1.2400	2.5923	-0.0157	0.3260	-0.0157	0.5027	0.1654	0.3373	2.0895
19	20.74	0.02	1.6611	2.1657	-0.1520	0.7016	-0.0373	0.4184	0.1760	0.2424	1.3158
20	22.67	0.03	2.1342	2.1487	-0.1600	0.8100	-0.0654	0.3420	0.1710	0.1710	1.0293
21	24.63	0.03	2.7130	2.6248	-0.0010	-0.0368	0.0112	0.2825	0.1672	0.1154	0.5673
22	26.61	0.04	3.2880	2.9245	0.0809	-2.2897	0.1354	0.2509	0.1905	0.0604	0.6853
23	28.30	0.11	3.7170	3.1633	1.0785	-2.6754	0.1362	0.2127	0.2040	0.0087	0.6510
24	28.31	0.10	3.7184	3.1764	0.9052	-2.4870	0.1497	0.2143	0.2058	0.0087	0.8542
25	26.33	0.11	3.6270	3.0617	1.1241	-2.7500	0.1563	0.1955	0.2025	-0.0070	0.7999
26	26.74	0.11	3.6551	3.2261	1.1200	-2.7100	0.1507	0.1947	0.2046	-0.0101	0.6360
27	26.99	0.12	3.9089	3.1702	1.2170	-2.6582	0.1513	0.1727	0.2052	-0.0325	0.7588
28	29.29	0.10	4.0790	3.4047	0.8727	-1.9544	0.1152	0.1600	0.2033	-0.0367	0.6345
29	29.63	0.10	4.1171	3.4341	0.9426	-2.0816	0.1274	0.1594	0.2033	-0.0435	0.6341
30	29.92	0.10	4.2504	3.4805	0.9708	-2.4087	0.1021	0.1641	0.2044	-0.0408	0.8204
31	30.19	0.08	4.3007	3.5564	0.8010	-1.7514	0.1180	0.1427	0.2002	-0.0575	0.6362
32	30.47	0.10	4.4135	3.6183	1.1004	-2.5736	0.1533	0.1425	0.2055	-0.0600	0.8154
33	30.74	0.11	4.4549	3.6032	1.1124	-2.4208	0.1596	0.1312	0.2054	-0.0742	0.8150
34	31.02	0.10	4.5051	3.7075	1.0198	-2.4792	0.1654	0.1254	0.2027	-0.0768	0.6253
35	31.28	0.10	4.6527	3.7523	1.0405	-2.3752	0.1427	0.1209	0.2116	-0.0505	0.7994
36	31.57	0.11	4.7717	3.7003	1.2513	-2.9205	0.1735	0.1161	0.2175	-0.1019	0.7880
37	31.84	0.11	4.8500	3.7857	1.2100	-3.0543	0.1918	0.1211	0.2155	-0.0944	0.7805
38	32.11	0.10	4.9243	3.6053	1.0090	-2.7747	0.1740	0.1194	0.2121	-0.0927	0.7862
39	32.39	0.05	5.1014	3.7824	0.9551	-2.2991	0.1206	0.0869	0.2117	-0.1228	0.7414
40	32.64	0.00	5.1185	3.9771	0.1255	-1.6310	0.0722	0.0600	0.1951	-0.1345	0.7770
41	32.91	0.05	5.2678	3.6433	0.8750	-2.2304	0.1211	0.0713	0.2005	-0.1292	0.7256
42	33.17	0.06	5.3203	3.8051	0.4553	-0.7024	0.0301	0.0497	0.1890	-0.1393	0.7303
43	33.42	0.04	5.3535	3.9104	0.2211	-0.3025	-0.0080	0.0329	0.1859	-0.1530	0.7264
44	33.67	0.07	5.3590	3.7025	0.0053	-1.5261	0.0735	0.0144	0.1924	-0.1775	0.6807
45	33.94	0.05	5.4230	3.9793	0.4200	-0.8909	0.0613	-0.0133	0.1847	-0.1980	0.7002
46	34.19	0.05	5.7057	3.7500	0.4542	-0.7620	0.0555	-0.0140	0.1912	-0.2052	0.6584

PAGE 1 OF 3
SHEET 2 OF 6

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACF RX10-6			PHI	CCRF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7			120	1.00	1.7	C.C	81	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CN	CLM	CY	CLL	CLL	CA	CAB	CAF	XCP	
47	34.42	0.05	5.8355	3.7777	0.2732	-0.0773	-0.0053	-0.0349	0.1877	-0.2246	0.6489	
48	34.68	0.05	5.8461	3.8333	0.4865	-1.0424	0.0804	-0.0154	0.1905	-0.2064	0.6443	
49	34.93	0.05	5.8508	3.9171	0.4882	-1.0231	0.0806	-0.0147	0.1912	-0.2059	0.6538	
50	35.18	0.07	6.1715	3.7172	0.6485	-1.4056	0.1055	-0.0340	0.1693	-0.2269	0.6023	
51	35.43	0.08	6.3550	3.5554	0.8586	-1.9233	0.1246	-0.0586	0.1953	-0.2579	0.5601	
52	35.68	0.11	6.4515	3.4051	1.3475	-3.1225	0.1805	-0.0240	0.2224	-0.2522	0.5246	
53	35.94	0.07	6.7155	3.2712	0.8586	-2.2635	0.1377	-0.0757	0.2036	-0.2791	0.4868	
54	36.18	0.05	6.7853	3.4165	1.0767	-2.5722	0.1510	-0.0672	0.2048	-0.2720	0.5051	
55	36.35	0.08	6.8481	3.3438	0.5481	-2.2105	0.1266	-0.1012	0.2018	-0.3030	0.4883	
56	36.65	0.12	7.0469	3.1356	1.5555	-3.7154	0.1884	-0.0444	0.2363	-0.2867	0.4456	
57	36.87	0.05	7.0835	3.1173	1.1673	-2.6370	0.1636	-0.0622	0.2137	-0.2560	0.4413	
58	37.11	0.09	7.1775	3.1050	1.6318	-2.4434	0.1400	-0.0422	0.2131	-0.3054	0.4332	
59	37.37	0.10	7.3657	3.1112	1.1687	-2.6083	0.1407	-0.1087	0.2167	-0.3254	0.4233	
60	37.60	0.05	7.4320	3.1057	1.0647	-2.6563	0.1647	-0.0446	0.2263	-0.3210	0.4292	
61	37.83	0.07	7.5744	3.0325	0.7577	-1.9272	0.1283	-0.1413	0.2054	-0.3507	0.4004	
62	38.08	0.07	7.7175	2.9887	0.7715	-1.9428	0.1052	-0.1576	0.2040	-0.3616	0.3877	
63	38.29	0.05	7.7764	3.0151	0.5591	-2.2612	0.1409	-0.1511	0.1906	-0.3417	0.3507	
64	38.53	0.07	7.8585	2.9574	0.7692	-2.0131	0.1114	-0.1624	0.1936	-0.3560	0.3843	
65	38.77	0.05	7.9041	2.8424	0.5570	-2.4608	0.1534	-0.1691	0.1940	-0.3631	0.3556	
66	38.94	0.06	8.0122	2.6576	0.5574	-1.5513	0.0640	-0.2311	0.1737	-0.4046	0.3367	
67	39.22	0.06	8.3157	2.6440	0.6267	-1.6352	0.1064	-0.2375	0.1801	-0.4180	0.3180	
68	39.44	0.05	8.2366	2.7034	0.2253	-0.8441	-0.0181	-0.2391	0.1636	-0.4027	0.3355	
69	39.65	0.07	8.2465	2.7765	0.7456	-1.7254	0.1235	-0.2114	0.1717	-0.3831	0.3367	
70	39.86	0.04	8.4240	2.6443	0.3233	-0.8016	0.0120	-0.2372	0.1635	-0.4007	0.3137	
71	40.08	0.07	8.4514	2.5238	0.7423	-1.7434	0.0893	-0.2399	0.1736	-0.4135	0.2986	
72	40.30	0.07	8.5688	2.4324	0.7373	-1.6376	0.1013	-0.2354	0.1733	-0.4267	0.2839	
73	40.52	0.06	8.7357	2.4372	0.6483	-1.6319	0.0841	-0.2417	0.1686	-0.4103	0.2790	
74	40.72	0.05	8.7545	2.3688	0.6135	-1.5780	0.0956	-0.2509	0.1677	-0.4186	0.2707	
75	40.93	0.05	8.9689	2.2658	0.6305	-1.5124	0.0789	-0.2661	0.1684	-0.4345	0.2547	
76	41.14	0.05	9.0121	2.1502	0.6005	-1.5051	0.1312	-0.2651	0.1680	-0.4335	0.2431	
77	41.34	0.05	9.1038	2.2416	0.3846	-1.0535	0.0389	-0.2553	0.1779	-0.4332	0.2462	
78	41.54	0.03	9.1465	2.3267	0.4041	-1.1733	0.0362	-0.2709	0.1694	-0.4407	0.2537	
79	41.77	0.03	9.3457	2.0534	0.4235	-1.0675	0.0039	-0.2598	0.1767	-0.4365	0.2196	
80	41.96	0.05	9.3366	2.0316	0.3763	-1.1500	0.0331	-0.2777	0.1684	-0.4401	0.2350	
81	42.16	0.04	9.5258	1.6904	0.5318	-1.3056	0.0680	-0.2863	0.1778	-0.4641	0.1990	
82	42.36	0.03	9.6255	1.5185	0.4121	-1.3010	0.0976	-0.2663	0.1771	-0.4634	0.1552	
83	42.55	0.05	9.5735	2.0615	0.5815	-1.2215	0.1212	-0.2688	0.1835	-0.4523	0.2153	
84	42.73	0.04	9.5824	2.2095	0.5124	-1.2208	0.1306	-0.3146	0.1803	-0.4748	0.2306	
85	42.92	0.03	9.8135	1.7643	0.4854	-1.1545	0.1216	-0.3238	0.1776	-0.5014	0.1758	
86	43.09	0.04	9.7130	2.2164	0.5400	-1.4221	0.0900	-0.2497	0.1750	-0.4746	0.2276	
87	43.25	0.03	9.6689	2.3184	0.3576	-0.9538	0.0748	-0.3108	0.1739	-0.4847	0.2393	
88	43.44	0.03	9.8131	2.1360	0.4485	-1.2542	0.0757	-0.3248	0.1708	-0.5066	0.2228	
89	43.63	0.03	9.8665	2.1452	0.4168	-1.1980	0.0350	-0.3291	0.1836	-0.5127	0.2174	
90	43.81	0.04	10.0087	1.5554	0.5520	-1.2377	0.1116	-0.3331	0.1861	-0.5192	0.1958	
91	43.95	0.03	10.0610	2.0816	0.5072	-1.1756	0.1351	-0.3437	0.1938	-0.5375	0.2056	
92	44.16	0.05	10.0710	2.2146	0.5751	-0.7530	0.1936	-0.2435	0.2036	-0.4971	0.2159	

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PATCH RAIG-6											
7 120 1.00 1.7 C.C. 610431 C.C. U -30 U -30 UNKNOWN											
POINT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
93	44.35	0.02	10.2511	1.7575	0.3852	-1.0840	0.0554	-0.3390	0.2002	-0.5392	0.1949
94	44.55	0.02	10.2628	2.1454	0.4121	-1.1258	0.0594	-0.3272	0.1957	-0.5229	0.2086
95	44.72	0.03	10.4013	2.0385	0.5053	-1.2136	0.0760	-0.3406	0.1984	-0.5350	0.1560
96	44.90	0.04	10.3504	2.2460	0.4544	-0.8373	0.1363	-0.3139	0.2047	-0.5186	0.2172
97	45.09	0.03	10.4150	2.3065	0.4584	-0.4477	0.1596	-0.3096	0.2167	-0.5263	0.2217
98	45.25	0.02	10.4454	2.1013	0.4510	-1.1245	0.1016	-0.3414	0.2063	-0.5477	0.2012
99	45.43	0.04	10.3502	2.5337	0.5498	-0.9608	0.1192	-0.3450	0.1972	-0.5428	0.2453
100	45.61	0.03	10.5166	2.1603	0.5528	-1.6476	0.0964	-0.3417	0.2103	-0.5526	0.2054
101	45.81	0.03	10.7210	2.0175	0.4835	-1.1550	0.0676	-0.3549	0.2123	-0.5672	0.1882
102	45.98	0.03	10.7465	2.1214	0.5504	-1.1248	0.0678	-0.3502	0.2061	-0.5583	0.1976
103	46.14	0.04	10.7662	2.1112	0.5333	-1.2013	0.0856	-0.3573	0.2092	-0.5665	0.1957
104	46.32	0.04	10.7664	2.0443	0.5603	-0.6865	0.1145	-0.3286	0.2210	-0.5496	0.2082
105	46.51	0.04	10.9957	2.0030	0.4603	-0.4883	0.1325	-0.3388	0.2331	-0.5719	0.1876
106	46.68	0.04	10.9050	2.0410	0.5357	-0.6704	0.1035	-0.3010	0.2365	-0.5375	0.2128
107	46.84	0.04	10.9348	2.2265	0.4721	-0.4584	0.1090	-0.3337	0.2646	-0.5583	0.2038
108	47.00	0.05	10.6763	2.6520	0.5883	-0.6300	0.1273	-0.2448	0.3273	-0.5721	0.2437
109	47.16	0.07	10.7201	2.3700	0.6613	-1.3657	0.0925	-0.1729	0.3314	-0.5048	0.2211
110	47.30	0.08	11.2044	0.8864	0.5543	-0.6308	0.0301	-0.2808	0.3403	-0.6711	0.0786
111	47.51	0.07	11.0067	1.5561	0.7331	-0.3243	0.1139	-0.2803	0.3662	-0.6465	0.1414
112	47.67	0.06	11.3027	0.7464	0.6521	-0.2036	0.0961	-0.2480	0.3918	-0.6858	0.0659
113	47.86	0.07	11.6074	0.0268	0.6687	0.3798	0.0826	-0.3136	0.4036	-0.7172	0.0025
114	48.07	0.07	11.6425	0.4463	0.5506	0.1848	0.0723	-0.2698	0.4128	-0.7026	0.0385
115	48.25	0.06	11.9388	-0.5120	0.3137	2.2542	-0.0050	-0.1762	0.4450	-0.6232	-0.0429
116	48.43	0.06	12.1225	-1.1330	0.3505	1.9712	-0.0100	-0.1695	0.4627	-0.6322	-0.0635
117	48.61	0.05	12.1830	-1.1512	0.4108	2.2424	-0.0286	-0.1755	0.4601	-0.6356	-0.0545
118	48.77	0.07	12.3454	-1.2531	0.3455	2.1836	-0.0396	-0.1674	0.4677	-0.6351	-0.1047
119	48.96	0.06	12.4016	-1.0816	0.2746	2.5435	-0.0227	-0.1603	0.4732	-0.6535	-0.0872
120	49.13	0.07	12.4470	-1.2545	0.3796	2.3629	-0.0338	-0.1608	0.4755	-0.6361	-0.1002
121	49.29	0.05	12.4563	-0.6021	0.2086	2.6736	-0.0346	-0.2208	0.4524	-0.6730	-0.0692
122	49.47	0.07	12.6552	-1.3022	0.3726	2.4772	-0.0215	-0.1671	0.4645	-0.6316	-0.1029
123	49.64	0.05	12.5146	-0.8473	0.1700	2.7776	-0.0406	-0.2214	0.4540	-0.6755	-0.0677
124	49.83	0.06	12.7319	-1.1054	0.3262	2.5122	-0.0344	-0.2035	0.4574	-0.6604	-0.0868
125	49.99	0.05	12.6150	-0.5045	0.1764	2.5755	-0.0276	-0.1647	0.4539	-0.6386	-0.0765
126	50.16	0.04	12.4521	-0.4865	0.1036	2.8178	-0.0394	-0.2248	0.4507	-0.6816	-0.0776
127	50.37	0.03	12.5545	-1.1477	0.2466	2.2392	-0.0135	-0.1794	0.4784	-0.6578	-0.0883
128	50.52	0.01	12.8101	-0.5574	-0.1528	2.6000	-0.0388	-0.2205	0.4500	-0.6826	-0.0747
129	50.70	0.03	12.9700	-1.1544	0.1022	2.2524	-0.0312	-0.2158	0.4602	-0.6821	-0.0521
130	50.88	0.03	13.1931	-1.6375	0.2185	2.1249	-0.0460	-0.2384	0.4575	-0.6960	-0.1241
131	51.04	0.03	13.1224	-1.4250	0.2415	1.5536	-0.0343	-0.2167	0.4655	-0.6823	-0.1089
132	51.16	0.03	12.7651	-0.6562	0.3575	1.9271	0.0146	-0.1471	0.4440	-0.6417	-0.0454
133	51.34	0.04	12.5076	-0.8346	0.4008	0.6102	0.0096	-0.1630	0.4606	-0.6236	-0.0647
134	51.52	0.02	12.6404	-0.5460	0.2533	0.8437	0.0091	-0.2178	0.4480	-0.6658	-0.0432
135	51.70	0.03	12.7483	-0.4513	0.3681	0.8003	0.0388	-0.1833	0.4495	-0.6328	-0.0354
136	51.88	0.03	12.6381	-0.5967	0.4013	0.5000	0.0517	-0.1705	0.4777	-0.6482	-0.0460
137	52.02	0.03	12.7826	-0.6031	0.3811	0.6591	0.0511	-0.2031	0.4560	-0.6551	-0.0472
138	52.19	0.03	12.6514	-0.3078	0.3257	0.7554	0.0505	-0.2024	0.4484	-0.6508	-0.0306

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(SPEC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART FACE AXIS			PHI	CLAF	L	DECL	DEL2	DEL3	DEL4	TRANSITION	
7	120	1.00	1.07	3.0	510F31	C.C	U	-30	U	-30	UNKNOWN
PLINT	ALPHA	BETA	CN	CLM	CLY	CLA	CLL	CA	CAB	CAF	XCP
139	52.33	0.03	12.5220	-0.1314	0.3500	0.7763	0.0384	-0.2214	0.4176	-0.6390	-0.0105
140	52.54	0.02	12.0182	-0.0030	0.2834	0.6900	0.0461	-0.1776	0.4768	-0.6544	-0.0617
141	52.68	0.02	12.8155	-0.4606	0.2822	0.7628	0.0454	-0.1992	0.4666	-0.6660	-0.0359
142	52.80	0.02	13.0272	-0.5034	0.2006	0.7787	0.0403	-0.1832	0.4806	-0.6638	-0.0432
143	53.03	0.02	12.5452	-0.3510	0.2444	0.6730	0.0171	-0.1337	0.5045	-0.6435	-0.0256
144	53.20	0.02	13.0755	-0.7456	0.2435	0.6624	0.0250	-0.1593	0.4566	-0.6159	-0.0573
145	53.37	0.01	12.5463	-0.4611	0.1255	0.6128	0.0175	-0.1687	0.4955	-0.6645	-0.0356
146	53.58	0.00	13.5183	-1.2446	0.1113	0.4436	-0.0041	-0.1602	0.5217	-0.7019	-0.0921
147	53.70	0.01	12.8680	-0.4245	0.2327	0.6840	0.0167	-0.2054	0.4661	-0.6715	-0.0330
148	53.80	0.01	12.8883	-0.5182	0.2406	0.6017	0.0167	-0.1698	0.4764	-0.6662	-0.0404
149	54.00	0.01	13.2576	-1.0525	0.2307	0.4015	0.0072	-0.2008	0.5057	-0.7085	-0.0792
150	54.20	0.02	13.2886	-1.0953	0.3503	0.4307	0.0006	-0.1884	0.4653	-0.6757	-0.0629
151	54.38	0.00	13.2431	-1.1775	0.2050	0.3554	0.0069	-0.2364	0.4537	-0.7321	-0.0889
152	54.54	0.00	13.4251	-1.4056	0.2255	0.3011	-0.0040	-0.2435	0.5096	-0.7531	-0.1047
153	54.71	-0.00	13.4148	-1.4115	0.0725	0.4705	0.0073	-0.2265	0.5174	-0.7439	-0.1052
154	54.85	0.01	13.5071	-1.5406	0.2002	0.5356	0.0070	-0.2214	0.5144	-0.7358	-0.1141
155	55.01	0.00	13.4576	-1.4311	0.2052	0.3855	0.0077	-0.2233	0.5030	-0.7263	-0.1060
156	55.17	0.01	13.5403	-1.4463	0.2444	0.1744	-0.0033	-0.2226	0.5076	-0.7302	-0.1101
157	55.30	-0.00	13.2763	-1.0780	0.1645	0.3171	0.0076	-0.2168	0.5075	-0.7243	-0.0813
158	55.45	-0.01	13.4571	-1.2434	0.1111	0.2411	0.0065	-0.2275	0.5060	-0.7335	-0.0961
159	55.63	-0.00	13.6427	-1.5357	0.1828	0.1846	-0.0027	-0.2179	0.5110	-0.7289	-0.1126
160	55.74	0.00	13.2157	-1.2157	0.2210	0.2013	-0.0039	-0.2352	0.4943	-0.7295	-0.0919
161	55.93	0.01	13.6163	-1.5704	0.3245	0.2520	0.0083	-0.2176	0.5335	-0.7513	-0.1153
162	56.09	0.03	13.4874	-1.3764	0.4404	0.3710	0.0191	-0.2324	0.5198	-0.7522	-0.1016
163	56.27	0.01	13.5345	-1.4540	0.2671	0.0438	-0.0026	-0.2427	0.5200	-0.7627	-0.1074
164	56.43	0.02	13.5515	-1.3571	0.4010	0.3230	0.0135	-0.2532	0.5162	-0.7694	-0.1179
165	56.60	-0.02	13.7615	-1.8155	0.0247	0.2630	0.0094	-0.2541	0.5165	-0.7706	-0.1320
166	56.77	-0.02	13.9612	-1.4482	0.0755	-0.3598	0.0176	-0.3164	0.5051	-0.8234	-0.0822
167	56.95	-0.01	14.1022	-1.3188	0.0571	-0.0610	0.0236	-0.3399	0.5116	-0.8514	-0.0934
168	57.05	-0.04	13.5760	-0.7023	-0.1012	-0.7590	-0.0006	-0.3208	0.5024	-0.8291	-0.0562

PAGE 2 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST FACT MACH 0.15-0.35												
1 1.00 1.7 0.0 0.0000 0.0 0.0000 0.0 0.0000 0.0 0.0000 0.0 0.0000												
PCINT	ALPHA	BETA	CNF1	CH1	CB1	ACPF1	YCPF1	CNF2	CH2	CB2	ACPF2	YCPF2
1	-5.62	0.01	-0.0076	0.0010	0.0045	-0.1316	-0.5921	-1.1577	-0.0108	-0.4884	0.0093	0.4262
2	-5.63	0.01	-0.0077	0.0009	0.0051	-0.1184	-0.6023	-1.1320	-0.0090	-0.5015	0.0076	0.4240
3	-5.62	0.02	-0.0101	0.0007	0.0042	-0.0653	-0.4158	-1.1501	-0.0093	-0.4556	0.0079	0.4234
4	-5.62	0.03	-0.0083	0.0009	0.0047	-0.1084	-0.5063	-1.1772	-0.0096	-0.4554	0.0082	0.4242
5	-4.61	0.03	-0.0069	0.0002	0.0047	-0.0290	-0.6812	-1.1963	0.0027	-0.5233	-0.0023	0.4374
6	-2.92	0.02	-0.0027	-0.0006	0.0075	-0.2983	-0.7170	-1.1500	0.0169	-0.5144	-0.0146	0.4446
7	-1.27	0.03	-0.0052	0.0008	0.0050	-0.1538	-0.9015	-1.0852	0.0224	-0.4524	-0.0207	0.4537
8	0.49	0.03	-0.0055	0.0006	0.0045	-0.2051	-1.2564	-0.9991	0.0199	-0.4625	-0.0200	0.4625
9	2.22	0.02	-0.0022	0.0004	0.0032	-0.0645	-0.5161	-0.9536	0.0154	-0.4248	-0.0171	0.4701
10	3.90	0.03	-0.0025	0.0005	0.0044	-0.2000	-1.7000	-0.8033	0.0113	-0.3858	-0.0139	0.4744
11	5.74	0.03	-0.0032	0.0004	0.0051	-0.1253	-1.5536	-0.7076	0.0076	-0.3465	-0.0108	0.4857
12	7.59	0.02	-0.0058	0.0002	0.0068	-0.0345	-1.1724	-0.6009	0.0046	-0.3025	-0.0076	0.4976
13	9.36	0.03	-0.0025	0.00	0.0070	0.0	-0.5920	-0.5098	0.0013	-0.2586	-0.0026	0.5075
14	11.22	0.03	-0.0060	0.0001	0.0065	-0.0062	-0.4312	-0.4090	-0.0001	-0.2129	0.0002	0.5206
15	13.05	0.04	-0.0173	0.0007	0.0062	-0.0405	-0.3584	-0.3317	-0.0022	-0.1770	0.0066	0.5335
16	14.94	0.01	-0.0156	0.0000	0.0072	-0.0041	-0.4013	-0.2498	-0.0021	-0.1355	0.0084	0.5428
17	16.89	0.03	-0.0250	0.0007	0.0030	-0.0242	-0.1338	-0.1717	-0.0018	-0.0578	0.0093	0.5656
18	18.82	0.03	-0.0302	0.0010	0.0011	-0.0598	-0.0365	-0.1074	-0.0007	-0.0684	0.0065	0.6371
19	20.74	0.02	-0.0430	0.0015	-0.0002	-0.0350	0.1911	-0.0450	0.0016	-0.0377	-0.0356	0.8374
20	22.67	0.03	-0.0456	0.0045	-0.0057	-0.0503	0.4982	-0.0174	0.0065	-0.0266	-0.0336	1.5230
21	24.63	0.03	-0.0055	-0.0007	-0.0033	-0.1273	2.4182	0.0154	0.0122	-0.0144	0.7522	-0.9351
22	26.61	0.05	-0.0136	-0.0077	0.0013	-0.0081	0.0680	0.0746	0.0177	0.0074	0.2375	0.0595
23	28.50	0.11	0.0043	-0.0005	0.1401	-0.0034	0.5295	0.1066	0.0200	0.0198	0.1845	0.1827
24	28.31	0.10	0.0235	-0.0002	0.1424	-0.0007	0.5225	0.1149	0.0193	0.0233	0.1683	0.2031
25	28.33	0.11	0.0261	0.0003	0.1438	0.0011	0.5355	0.1161	0.0198	0.0240	0.1708	0.2071
26	28.74	0.11	0.0267	0.0012	0.1375	0.0047	0.5355	0.1156	0.0216	0.0239	0.1872	0.2071
27	28.99	0.12	0.0265	0.0067	0.1518	0.0226	0.5120	0.1390	0.0216	0.0350	0.1957	0.2516
28	29.29	0.10	0.0242	0.0038	0.1276	0.0157	0.5254	0.1222	0.0244	0.0295	0.2033	0.2410
29	29.03	0.10	0.1543	0.0050	0.1088	0.0258	0.5498	0.1183	0.0266	0.0283	0.2244	0.2388
30	29.92	0.10	0.0446	0.0046	0.1326	0.0197	0.5420	0.1280	0.0241	0.0329	0.2271	0.2565
31	30.19	0.08	0.1604	0.0055	0.0521	0.0365	0.5760	0.1118	0.0295	0.0267	0.2670	0.2384
32	30.47	0.10	0.0201	0.0004	0.1375	0.0250	0.5333	0.1341	0.0322	0.0377	0.2399	0.2810
33	30.74	0.11	0.0203	0.0063	0.1356	0.0252	0.5424	0.1321	0.0326	0.0368	0.2466	0.2785
34	31.02	0.10	0.0205	0.0025	0.1456	0.0126	0.5421	0.1439	0.0321	0.0421	0.2228	0.2925
35	31.28	0.10	0.0235	0.0025	0.1275	0.0119	0.5226	0.1377	0.0331	0.0384	0.2402	0.2787
36	31.57	0.11	0.0266	-0.0043	0.1365	-0.0100	0.5330	0.1554	0.0310	0.0474	0.1992	0.3050
37	31.84	0.11	0.0211	-0.0037	0.1531	-0.0127	0.5260	0.1527	0.0311	0.0452	0.2034	0.2959
38	32.11	0.10	0.0221	-0.0056	0.1456	-0.0125	0.5129	0.1522	0.0302	0.0459	0.1982	0.3015
39	32.39	0.05	0.0254	-0.0037	0.1315	-0.0140	0.4988	0.1594	0.0299	0.0490	0.1873	0.3074
40	32.64	0.06	0.1004	-0.0003	0.0584	-0.0020	0.5434	0.1370	0.0313	0.0382	0.2282	0.2787
41	32.51	0.05	0.1343	-0.0026	0.0387	-0.0189	0.5747	0.1565	0.0304	0.0483	0.1940	0.3088
42	33.17	0.06	0.0247	-0.0002	0.0177	-0.0001	0.7195	0.1423	0.0316	0.0420	0.2232	0.2951
43	33.42	0.04	-0.0310	-0.0011	-0.0144	-0.0356	0.6660	0.1441	0.0327	0.0428	0.2287	0.2585
44	33.67	0.07	0.0404	-0.0022	0.0355	-0.0455	0.7329	0.1656	0.0323	0.0534	0.1948	0.3224
45	33.94	0.05	0.0553	-0.0015	0.0555	-0.0213	0.6263	0.1720	0.0322	0.0555	0.1871	0.3252
46	34.19	0.05	0.1105	-0.0032	0.0035	-0.0289	0.5727	0.1787	0.0327	0.0556	0.1828	0.3348

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: 10-6												
7 120 1.00 1.0												
PHI CNF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
J.C. 0.0000 0.0 C.C. 0 -30 0 -30 UNKNOWN												
PCINT	ALPHA	BETA	CNF1	CHI	CHI	ALPFI	YCPFI	CNF2	CHI2	CHI2	ALPFI2	YCPFI2
47	34.42	0.05	0.00131	0.0018	0.0047	0.1374	0.3588	0.1008	0.0350	0.0505	0.2174	0.3146
48	34.68	0.05	0.1277	0.0046	0.0747	0.0301	0.5046	0.1932	0.0327	0.0663	0.1651	0.3434
49	34.93	0.05	0.0054	0.0027	0.0050	0.0262	0.5737	0.1790	0.0340	0.0597	0.1898	0.3337
50	35.16	0.07	0.0051	0.0039	0.1123	0.0187	0.5371	0.2006	0.0337	0.0740	0.1625	0.3579
51	35.43	0.08	0.0222	0.0040	0.1168	0.0175	0.5106	0.2320	0.0521	0.0861	0.1382	0.3711
52	35.66	0.11	0.0024	0.0019	0.1474	0.0040	0.4990	0.2069	0.0516	0.0977	0.1221	0.3781
53	35.94	0.07	0.0074	0.0023	0.1427	0.0077	0.4798	0.2674	0.0516	0.1013	0.1180	0.3788
54	36.16	0.09	0.0020	0.0037	0.1402	0.0127	0.4791	0.2671	0.0516	0.1004	0.1189	0.3756
55	36.39	0.08	0.0245	0.0015	0.1117	0.0067	0.4969	0.2700	0.0501	0.1028	0.1114	0.3806
56	36.65	0.12	0.0444	0.0180	0.1607	0.0400	0.4613	0.2447	0.0529	0.1107	0.1115	0.3757
57	36.87	0.09	0.03525	0.0125	0.1581	0.0367	0.4485	0.3026	0.0317	0.1153	0.1046	0.3811
58	37.11	0.09	0.0210	0.0127	0.1335	0.0437	0.4601	0.3020	0.0301	0.1134	0.0955	0.3756
59	37.37	0.10	0.0264	0.0056	0.1135	0.0237	0.4803	0.2941	0.0288	0.1093	0.0578	0.3717
60	37.60	0.09	0.0261	0.0180	0.1300	0.0609	0.4389	0.2588	0.0337	0.1048	0.1166	0.3825
61	37.83	0.07	0.0201	0.0030	0.0991	0.0150	0.4952	0.2693	0.0287	0.1071	0.0991	0.3703
62	38.08	0.07	0.1415	0.0041	0.0520	0.0215	0.4809	0.2492	0.0294	0.1083	0.1001	0.3654
63	38.29	0.09	0.0208	0.0075	0.1150	0.0325	0.4777	0.3017	0.0302	0.1135	0.1000	0.3763
64	38.53	0.07	0.0213	0.0045	0.1024	0.0225	0.4690	0.2491	0.0299	0.1108	0.0958	0.3705
65	38.77	0.09	0.0205	0.0071	0.1055	0.0308	0.4761	0.3096	0.0314	0.1160	0.1013	0.3748
66	38.99	0.06	0.1638	0.0057	0.0626	0.0311	0.4493	0.3205	0.0299	0.1212	0.0932	0.3784
67	39.22	0.06	0.1297	0.0041	0.0600	0.0317	0.4629	0.3145	0.0303	0.1192	0.0961	0.3786
68	39.44	0.03	0.0574	0.0027	0.0455	0.0471	0.3473	0.3106	0.0297	0.1175	0.0955	0.3784
69	39.65	0.07	0.1670	0.0107	0.0668	0.0554	0.4405	0.3092	0.0334	0.1161	0.1079	0.3758
70	39.88	0.04	0.0444	0.0041	0.0157	0.0426	0.3544	0.3163	0.0297	0.1193	0.0938	0.3773
71	40.08	0.07	0.1755	0.0111	0.0776	0.0616	0.4312	0.3276	0.0311	0.1229	0.0948	0.3750
72	40.30	0.07	0.1816	0.0104	0.0810	0.0501	0.4401	0.3236	0.0301	0.1218	0.0929	0.3764
73	40.52	0.06	0.1278	0.0070	0.0503	0.0549	0.3937	0.3328	0.0291	0.1242	0.0873	0.3731
74	40.72	0.05	0.1852	0.0116	0.0616	0.0625	0.4322	0.3204	0.0267	0.1184	0.0895	0.3657
75	40.95	0.05	0.1142	0.0068	0.0475	0.0596	0.4158	0.3300	0.0256	0.1227	0.0774	0.3717
76	41.14	0.05	0.0202	0.0145	0.0651	0.0701	0.4299	0.3223	0.0267	0.1188	0.0889	0.3688
77	41.34	0.03	0.1001	0.0088	0.0402	0.0642	0.3767	0.3341	0.0252	0.1233	0.0753	0.3685
78	41.54	0.03	0.0728	0.0049	0.0236	0.0676	0.3945	0.3349	0.0252	0.1251	0.0741	0.3684
79	41.77	0.03	0.0760	0.0052	0.0240	0.0686	0.3166	0.3411	0.0246	0.1262	0.0705	0.3655
80	41.90	0.03	0.0820	0.0046	0.0315	0.0596	0.3011	0.3431	0.0240	0.1264	0.0701	0.3683
81	42.16	0.04	0.1015	0.0062	0.0430	0.0612	0.4235	0.3422	0.0252	0.1262	0.0735	0.3687
82	42.30	0.03	0.1252	0.0106	0.0548	0.0636	0.4244	0.3307	0.0277	0.1205	0.0836	0.3645
83	42.55	0.05	0.1401	0.0113	0.0589	0.0644	0.4206	0.3206	0.0268	0.1195	0.0875	0.3638
84	42.73	0.04	0.1400	0.0130	0.0595	0.0692	0.4077	0.3398	0.0300	0.1229	0.0882	0.3615
85	42.92	0.03	0.1453	0.0115	0.0640	0.0771	0.4283	0.3506	0.0275	0.1275	0.0783	0.3635
86	43.09	0.04	0.1011	0.0114	0.0633	0.0709	0.4067	0.3367	0.0292	0.1211	0.0886	0.3598
87	43.25	0.03	0.0699	0.0085	0.0320	0.0546	0.3556	0.3523	0.0289	0.1265	0.0819	0.3585
88	43.44	0.03	0.1323	0.0141	0.0686	0.0926	0.3360	0.3501	0.0302	0.1274	0.0847	0.3576
89	43.63	0.03	0.1040	0.0082	0.0378	0.0750	0.3632	0.3715	0.0270	0.1332	0.0726	0.3585
90	43.81	0.04	0.1531	0.0142	0.0636	0.0926	0.4139	0.3608	0.0305	0.1275	0.0844	0.3543
91	43.99	0.03	0.1047	0.0133	0.0688	0.0809	0.4179	0.3676	0.0296	0.1307	0.0810	0.3555
92	44.16	0.03	0.1548	0.0145	0.0621	0.1197	0.4013	0.3275	0.0392	0.1107	0.1196	0.3381

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	AXIS	PHI	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION			
7	1.00	1.7	C.G	B10F31	G.O	J	-30	0	-30	UNKNOWN		
PCINT	ALPHA	BETA	CONF1	CONF2	CONF3	YCONF1	YCONF2	CONF2	CONF2	CONF2	YCONF2	YCONF2
93	44.35	0.02	0.1327	0.0012	0.0535	0.0846	0.4033	0.3723	0.0274	0.1325	0.0789	0.3556
94	44.35	0.04	0.1322	0.0022	0.0454	0.0732	0.4045	0.3756	0.0291	0.1320	0.0773	0.3512
95	44.72	0.03	0.1310	0.0036	0.0537	0.1041	0.4101	0.3590	0.0334	0.1226	0.0929	0.3413
96	44.90	0.04	0.1408	0.0100	0.0572	0.1139	0.4004	0.3403	0.0373	0.1159	0.1055	0.3407
97	45.05	0.03	0.1345	0.0150	0.0564	0.1412	0.4183	0.3235	0.0392	0.1075	0.1210	0.3320
98	45.25	0.02	0.1405	0.0168	0.0570	0.1195	0.4090	0.3490	0.0358	0.1172	0.1025	0.3359
99	45.45	0.04	0.1278	0.0145	0.0552	0.1157	0.4322	0.3719	0.0323	0.1222	0.0868	0.3393
100	45.61	0.03	0.1084	0.0108	0.0453	0.0998	0.4177	0.3820	0.0317	0.1309	0.0829	0.3426
101	45.81	0.03	0.1207	0.0120	0.0505	0.0996	0.4216	0.3840	0.0320	0.1303	0.0832	0.3352
102	45.98	0.03	0.1121	0.0132	0.0474	0.1100	0.4227	0.3726	0.0338	0.1264	0.0906	0.3386
103	46.14	0.04	0.1195	0.0150	0.0511	0.1257	0.4275	0.3710	0.0347	0.1248	0.0935	0.3363
104	46.32	0.04	0.1074	0.0171	0.0440	0.1595	0.4095	0.3531	0.0380	0.1154	0.1075	0.3265
105	46.51	0.04	0.1185	0.0154	0.0458	0.1634	0.4170	0.3546	0.0397	0.1168	0.1119	0.3295
106	46.66	0.04	0.1124	0.0143	0.0449	0.1265	0.4419	0.3844	0.0365	0.1200	0.1001	0.3254
107	46.84	0.04	0.0954	0.0161	0.0408	0.1691	0.4275	0.3555	0.0395	0.1158	0.1105	0.3258
108	47.00	0.05	0.1055	0.0162	0.0473	0.1533	0.4465	0.3692	0.0411	0.1015	0.1248	0.3084
109	47.16	0.07	0.1432	0.0175	0.0604	0.1225	0.4220	0.3934	0.0421	0.1371	0.1070	0.3484
110	47.36	0.08	0.0784	0.0217	0.0291	0.2775	0.3708	0.4495	0.0439	0.1590	0.0976	0.3538
111	47.51	0.07	0.1235	0.0178	0.0530	0.1359	0.4280	0.3897	0.0420	0.1305	0.1077	0.3348
112	47.69	0.08	0.0930	0.0210	0.0280	0.2493	0.3324	0.4376	0.0440	0.1516	0.1005	0.3465
113	47.86	0.07	0.0136	0.0175	0.0078	1.3162	0.5735	0.4145	0.0455	0.1378	0.1107	0.3324
114	48.07	0.07	0.0340	0.0163	0.0070	0.4657	0.2190	0.4334	0.0448	0.1488	0.1025	0.3418
115	48.25	0.06	0.1033	0.0052	0.0017	0.0504	0.4035	0.3598	0.0477	0.1061	0.1326	0.2545
116	48.43	0.06	0.0024	0.0001	0.0000	0.0012	0.3504	0.3732	0.0472	0.1123	0.1265	0.3010
117	48.61	0.08	0.0711	0.0003	0.0018	0.0042	0.3370	0.3538	0.0470	0.1217	0.1193	0.3052
118	48.77	0.07	0.0731	0.0032	0.0018	0.0438	0.2980	0.3911	0.0467	0.1198	0.1194	0.3064
119	48.96	0.06	0.0007	0.0030	0.0017	0.0425	0.3074	0.3910	0.0464	0.1187	0.1187	0.3037
120	49.13	0.07	0.0052	0.0025	0.0015	0.0445	0.2945	0.3906	0.0467	0.1205	0.1177	0.3035
121	49.29	0.05	0.0000	0.0034	0.0008	0.0029	0.3112	0.3916	0.0447	0.1179	0.1141	0.3012
122	49.47	0.07	0.0042	0.0050	0.0027	0.0595	0.3167	0.4024	0.0454	0.1219	0.1128	0.3030
123	49.64	0.05	0.0011	0.0081	0.0078	0.0891	0.3067	0.4099	0.0427	0.1273	0.1041	0.3104
124	49.83	0.06	0.0708	0.0024	0.0043	0.0313	0.3172	0.4093	0.0453	0.1248	0.1106	0.3048
125	49.99	0.05	0.0000	0.0042	0.0016	0.0637	0.2458	0.4176	0.0449	0.1255	0.1075	0.3101
126	50.16	0.04	0.0004	0.0002	0.0005	0.0773	0.2606	0.4293	0.0436	0.1362	0.1020	0.3172
127	50.37	0.03	0.0042	0.0051	0.0040	0.1039	0.1833	0.4375	0.0441	0.1364	0.1008	0.3117
128	50.52	0.01	0.0057	0.0065	0.0118	0.1109	0.2014	0.4391	0.0426	0.1359	0.0974	0.3186
129	50.73	0.03	0.0020	0.0007	0.0022	0.2354	0.0321	0.4628	0.0413	0.1454	0.0898	0.3222
130	50.90	0.03	0.0045	0.0012	0.0042	0.2705	0.0305	0.4917	0.0385	0.1628	0.0783	0.3312
131	51.04	0.03	0.0001	0.0014	0.0011	0.0189	0.3332	0.4899	0.0398	0.1556	0.0812	0.3258
132	51.19	0.03	0.0015	0.0005	0.0008	0.2644	0.9496	0.4360	0.0446	0.1323	0.1023	0.3034
133	51.34	0.04	0.0188	0.0030	0.0172	0.1613	0.9247	0.4303	0.0464	0.1293	0.1078	0.3004
134	51.52	0.02	0.0027	0.0076	0.0212	0.3348	0.9339	0.4428	0.0453	0.1371	0.1023	0.3056
135	51.70	0.03	0.0040	0.0010	0.0171	0.0408	0.6980	0.4247	0.0469	0.1265	0.1104	0.2978
136	51.88	0.03	0.0171	0.0020	0.0121	0.1130	0.6836	0.4154	0.0481	0.1228	0.1158	0.2955
137	52.02	0.03	0.0020	0.0011	0.0135	0.0500	0.6318	0.4246	0.0474	0.1265	0.1116	0.2979
138	52.19	0.03	0.0175	0.0005	0.0122	0.0280	0.6971	0.4239	0.0476	0.1262	0.1123	0.2976

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER TASK

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME			PNT		CNF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7			120 1.00 1.7		C.C. B10CF31		0.0		0		-30		0		-30		UNKNOWN	
POINT	ALPHA	CE1A	CNF1	CH1	Co1	PCPF1	YPCPF1	CNF2	CH2	CE2	XCPF2	YCPF2						
139	52.33	0.03	0.0141	-0.0016	0.0104	-0.1135	0.7376	0.4250	0.0472	0.1275	0.1108	0.2994						
140	52.34	0.02	0.0025	0.0023	0.0104	-0.2771	0.7349	0.4342	0.0485	0.1290	0.1117	0.2964						
141	52.66	0.02	0.0141	-0.0001	0.0090	-0.0071	0.6363	0.4266	0.0482	0.1264	0.1129	0.2561						
142	52.00	0.02	0.0110	0.0006	0.0070	0.0517	0.6724	0.4320	0.0467	0.1292	0.1125	0.2584						
143	53.03	0.02	0.0050	-0.0008	0.0054	-0.0033	0.5025	0.4320	0.0475	0.1290	0.1100	0.2585						
144	53.20	0.02	0.0105	0.0008	0.0053	0.0702	0.5040	0.4359	0.0404	0.1300	0.1110	0.2582						
145	53.37	0.01	0.0001	-0.0008	0.0031	-0.1311	0.5032	0.4306	0.0485	0.1313	0.1106	0.2993						
146	53.56	0.00	0.0115	-0.0010	0.0055	-0.1371	0.5130	0.4418	0.0487	0.1555	0.0950	0.3162						
147	53.70	0.01	0.0045	-0.0011	0.0025	-0.2245	0.5916	0.4577	0.0482	0.1408	0.1053	0.3076						
148	53.85	0.01	0.0004	-0.0015	0.0044	-0.1744	0.4051	0.4574	0.0471	0.1355	0.1030	0.3046						
149	54.00	0.01	0.0140	-0.0023	0.0070	-0.1043	0.5300	0.4872	0.0481	0.1524	0.0987	0.3128						
150	54.20	0.02	0.0073	-0.0014	0.0041	-0.1910	0.5016	0.4033	0.0474	0.1506	0.0981	0.3116						
151	54.38	0.00	0.0110	-0.0018	0.0055	-0.1036	0.5000	0.4955	0.0475	0.1574	0.0959	0.3177						
152	54.54	0.00	0.0005	-0.0010	0.0040	-0.1684	0.5254	0.4410	0.0407	0.1545	0.0950	0.3143						
153	54.71	-0.00	0.0002	-0.0017	0.0037	-0.2742	0.5966	0.5028	0.0480	0.1590	0.0955	0.3163						
154	54.83	0.01	0.0000	-0.0015	0.0020	-0.3000	0.5000	0.4947	0.0477	0.1556	0.0964	0.3146						
155	55.01	0.00	0.0040	-0.0017	0.0054	-0.1771	0.6140	0.5070	0.0475	0.1615	0.0937	0.3186						
156	55.17	0.01	0.0002	-0.0023	0.0043	-0.3710	0.6435	0.5044	0.0464	0.1601	0.0930	0.3174						
157	55.33	-0.00	0.0121	-0.0017	0.0007	-0.1405	0.5537	0.4977	0.0466	0.1568	0.0936	0.3151						
158	55.43	-0.01	0.0127	-0.0016	0.0005	-0.1200	0.5118	0.5011	0.0400	0.1560	0.0930	0.3173						
159	55.63	-0.00	0.0122	-0.0018	0.0055	-0.1475	0.4836	0.5016	0.0473	0.1566	0.0943	0.3168						
160	55.74	0.00	0.0005	-0.0010	0.0047	-0.1802	0.5229	0.5005	0.0403	0.1585	0.0925	0.3175						
161	55.93	0.01	0.0127	-0.0019	0.0072	-0.1490	0.5009	0.5059	0.0464	0.1605	0.0917	0.3181						
162	56.09	0.03	0.0002	-0.0022	0.0030	-0.3548	0.6129	0.4904	0.0461	0.1588	0.0925	0.3187						
163	56.27	0.01	0.0140	-0.0022	0.0073	-0.1507	0.5000	0.5019	0.0461	0.1598	0.0918	0.3184						
164	56.43	0.02	0.0091	-0.0015	0.0050	-0.2080	0.5495	0.5000	0.0401	0.1623	0.0911	0.3208						
165	56.60	-0.02	0.0100	-0.0005	0.0053	-0.0403	0.4907	0.5195	0.0465	0.1675	0.0895	0.3225						
166	56.77	-0.02	0.0071	-0.0011	0.0115	-0.0407	0.4407	0.5212	0.0451	0.1687	0.0865	0.3230						
167	56.95	-0.01	0.0193	-0.0013	0.0092	-0.0674	0.4767	0.5121	0.0452	0.1650	0.0882	0.3222						
168	57.03	-0.04	0.0167	-0.0007	0.0005	-0.0419	0.5090	0.5150	0.0447	0.1671	0.0866	0.3246						

PAGE 3 OF 3
SHEET 1 OF 4

PART A PASSILE TAILS EFFECTS DATA

TEST PART MACH KAIC-6												
7 120 1.00 1.7												
C.C. 0.000000 0.000000												
DEL1 DEL2 DEL3 DEL4 TRANSITION												
0 -30 0 -30 UNKNOWN												
PLINT	ALPHA	BETA	CNF3	CNF3	CB3	XCPF3	YCPF3	CNF4	CB4	CB4	XCPF4	YCPF4
1	-5.62	0.01	0.0185	0.0000	0.0000	0.0000	0.0000	-1.2068	-0.0150	-0.4823	0.0125	0.3997
2	-5.63	0.03	0.0220	0.0000	0.0000	0.0000	0.0000	-1.2067	-0.0148	-0.4837	0.0123	0.4002
3	-5.62	0.02	0.0201	0.0000	0.0000	0.0000	0.0000	-1.2067	-0.0147	-0.4837	0.0122	0.4002
4	-5.62	0.03	0.0214	0.0000	0.0000	0.0000	0.0000	-1.2065	-0.0152	-0.4835	0.0126	0.4006
5	-4.61	0.03	0.0251	0.0000	0.0000	0.0000	0.0000	-1.2121	-0.0086	-0.4929	0.0073	0.4087
6	-4.92	0.02	0.0226	0.0000	0.0000	0.0000	0.0000	-1.1891	0.0025	-0.4823	-0.0021	0.4073
7	-1.27	0.03	0.0225	0.0000	0.0000	0.0000	0.0000	-1.1900	0.0160	-0.4695	-0.0141	0.4121
8	0.44	0.03	0.0292	0.0000	0.0000	0.0000	0.0000	-1.0540	0.0124	-0.4355	-0.0123	0.4136
9	2.22	0.02	0.0270	0.0000	0.0000	0.0000	0.0000	-0.9536	0.0097	-0.3956	-0.0102	0.4149
10	3.96	0.03	0.0213	0.0000	0.0000	0.0000	0.0000	-0.8703	0.0065	-0.3627	-0.0075	0.4168
11	5.74	0.03	0.0274	0.0000	0.0000	0.0000	0.0000	-0.7724	0.0036	-0.3213	-0.0047	0.4155
12	7.35	0.02	0.0225	0.0000	0.0000	0.0000	0.0000	-0.5776	0.0018	-0.2806	-0.0027	0.4181
13	9.36	0.03	0.0245	0.0000	0.0000	0.0000	0.0000	-0.6337	-0.0020	-0.2354	0.0035	0.4074
14	11.22	0.03	0.0015	0.0000	0.0000	0.0000	0.0000	-0.4522	-0.0015	-0.1517	0.0073	0.3984
15	13.05	0.04	0.0321	0.0000	0.0000	0.0000	0.0000	-0.4531	-0.0012	-0.0045	0.0112	0.3724
16	14.54	0.01	0.0366	0.0000	0.0000	0.0000	0.0000	-0.3141	-0.0043	-0.1119	0.0137	0.3563
17	16.09	0.03	0.0367	0.0000	0.0000	0.0000	0.0000	-0.2331	-0.0037	-0.0722	0.0159	0.3100
18	18.02	0.03	0.0412	0.0000	0.0000	0.0000	0.0000	-0.1582	-0.0028	-0.0410	0.0177	0.2596
19	20.74	0.02	0.0418	0.0000	0.0000	0.0000	0.0000	-0.0956	-0.0008	-0.0130	0.0084	0.1360
20	22.67	0.03	0.0405	0.0000	0.0000	0.0000	0.0000	-0.0556	0.0040	0.0052	-0.0721	-0.0937
21	24.03	0.03	0.0431	0.0000	0.0000	0.0000	0.0000	-0.2767	-0.0475	0.0105	-0.2300	-0.1667
22	26.01	0.03	0.0595	0.0000	0.0000	0.0000	0.0000	-0.3434	-0.0542	0.0197	0.0025	-0.3641
23	28.30	0.11	0.0721	0.0000	0.0000	0.0000	0.0000	-0.3730	-0.0431	0.0251	0.0058	-0.5814
24	28.31	0.10	0.0658	0.0000	0.0000	0.0000	0.0000	-0.3400	-0.0460	0.0252	0.0048	-0.5457
25	28.33	0.11	0.0640	0.0000	0.0000	0.0000	0.0000	-0.3473	-0.0440	0.0255	0.0065	-0.5877
26	28.74	0.11	0.0705	0.0000	0.0000	0.0000	0.0000	-0.3406	0.0271	0.0087	-0.7357	-0.2384
27	28.95	0.12	0.0690	0.0000	0.0000	0.0000	0.0000	-0.3512	-0.0401	0.0278	0.0082	-0.6525
28	29.29	0.10	0.0683	0.0000	0.0000	0.0000	0.0000	-0.3600	-0.0249	0.0296	0.0157	-1.1976
29	29.03	0.10	0.0582	0.0000	0.0000	0.0000	0.0000	-0.3494	-0.0160	0.0302	0.0189	-1.1812
30	29.42	0.10	0.0623	0.0000	0.0000	0.0000	0.0000	-0.3592	-0.0226	0.0312	0.0166	-1.1761
31	30.15	0.08	0.0557	0.0000	0.0000	0.0000	0.0000	-0.3689	-0.0027	0.0313	0.0251	-1.1555
32	30.47	0.10	0.0722	0.0000	0.0000	0.0000	0.0000	-0.3773	-0.0008	0.0331	0.0225	-1.1500
33	30.74	0.11	0.0647	0.0000	0.0000	0.0000	0.0000	-0.3705	-0.0097	0.0333	0.0222	-1.1427
34	31.02	0.10	0.0621	0.0000	0.0000	0.0000	0.0000	-0.3803	-0.0123	0.0353	0.0216	-1.1561
35	31.28	0.10	0.0672	0.0000	0.0000	0.0000	0.0000	-0.3964	0.0030	0.0350	0.0280	-1.1633
36	31.57	0.11	0.0703	0.0000	0.0000	0.0000	0.0000	-0.4003	0.0078	0.0374	0.0308	-1.1720
37	31.84	0.11	0.0755	0.0000	0.0000	0.0000	0.0000	-0.4103	-0.0051	0.0367	0.0256	-1.1765
38	32.11	0.10	0.0703	0.0000	0.0000	0.0000	0.0000	-0.4217	-0.0009	0.0362	0.0235	-1.1862
39	32.39	0.09	0.0621	0.0000	0.0000	0.0000	0.0000	-0.4323	-0.0001	0.0360	0.0276	-1.1900
40	32.64	0.08	0.0571	0.0000	0.0000	0.0000	0.0000	-0.4105	0.0025	0.0339	0.0419	-1.1981
41	32.91	0.09	0.0608	0.0000	0.0000	0.0000	0.0000	-0.4345	0.0026	0.0336	0.0423	-1.2008
42	33.17	0.08	0.0520	0.0000	0.0000	0.0000	0.0000	-0.4220	0.0073	0.0326	0.0529	-1.2031
43	33.42	0.04	0.0457	0.0000	0.0000	0.0000	0.0000	-0.4101	0.0016	0.0323	0.0657	-1.2055
44	33.67	0.07	0.0520	0.0000	0.0000	0.0000	0.0000	-0.4419	0.0018	0.0328	0.0653	-1.2090
45	33.94	0.05	0.0455	0.0000	0.0000	0.0000	0.0000	-0.4291	0.0031	0.0336	0.0662	-1.2073
46	34.19	0.05	0.0520	0.0000	0.0000	0.0000	0.0000	-0.4381	0.0043	0.0339	0.0661	-1.2088

PAGE 3 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

PLANT	TEST PART MACH NO			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
	1.0	1.00	1.07										
	1.0	1.00	1.07	0.0	0.10	0.30	0.50	0.70	0.90	1.00	UNKNOWN		
PLANT	ALPHA	BETA	CNF1	CNF2	CNF3	CNF4	CNF5	CNF6	CNF7	CNF8	CNF9	CNF10	CNF11
47	34.42	0.05	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415
48	34.46	0.05	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415
49	34.53	0.05	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415
50	35.10	0.07	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525
51	35.43	0.08	0.0570	0.0570	0.0570	0.0570	0.0570	0.0570	0.0570	0.0570	0.0570	0.0570	0.0570
52	35.00	0.11	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555
53	35.54	0.07	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555
54	36.10	0.09	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555
55	36.39	0.08	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460
56	36.05	0.12	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555
57	36.67	0.09	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575
58	37.11	0.09	0.0547	0.0547	0.0547	0.0547	0.0547	0.0547	0.0547	0.0547	0.0547	0.0547	0.0547
59	37.37	0.10	0.0545	0.0545	0.0545	0.0545	0.0545	0.0545	0.0545	0.0545	0.0545	0.0545	0.0545
60	37.00	0.05	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577
61	37.63	0.07	0.0515	0.0515	0.0515	0.0515	0.0515	0.0515	0.0515	0.0515	0.0515	0.0515	0.0515
62	38.00	0.07	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544	0.0544
63	38.25	0.06	0.0524	0.0524	0.0524	0.0524	0.0524	0.0524	0.0524	0.0524	0.0524	0.0524	0.0524
64	38.53	0.07	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530
65	38.77	0.09	0.0517	0.0517	0.0517	0.0517	0.0517	0.0517	0.0517	0.0517	0.0517	0.0517	0.0517
66	38.54	0.06	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460
67	39.22	0.06	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410
68	39.44	0.03	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460
69	39.65	0.07	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455
70	39.00	0.04	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463	0.0463
71	40.08	0.07	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455	0.0455
72	40.30	0.07	0.0434	0.0434	0.0434	0.0434	0.0434	0.0434	0.0434	0.0434	0.0434	0.0434	0.0434
73	40.52	0.06	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316
74	40.72	0.05	0.0427	0.0427	0.0427	0.0427	0.0427	0.0427	0.0427	0.0427	0.0427	0.0427	0.0427
75	40.93	0.05	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450
76	41.14	0.05	0.0418	0.0418	0.0418	0.0418	0.0418	0.0418	0.0418	0.0418	0.0418	0.0418	0.0418
77	41.34	0.03	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415
78	41.54	0.03	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416
79	41.77	0.03	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415
80	41.96	0.03	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416	0.0416
81	42.16	0.04	0.0437	0.0437	0.0437	0.0437	0.0437	0.0437	0.0437	0.0437	0.0437	0.0437	0.0437
82	42.36	0.04	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431
83	42.55	0.05	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430
84	42.73	0.04	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461
85	42.92	0.03	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375
86	43.05	0.04	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454
87	43.25	0.03	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375
88	43.44	0.03	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450
89	43.63	0.03	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355
90	43.81	0.04	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358
91	43.99	0.03	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355
92	44.16	0.05	0.0334	0.0334	0.0334	0.0334	0.0334	0.0334	0.0334	0.0334	0.0334	0.0334	0.0334

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH REL- ϵ			PHI	CNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION			
7 120 1.00 1.2			C.C	010CF31	C.C	0	-30	0	-30	UNKNOWN			
FCINT	ALPHA	BETA	CNF3	CNF4	CB3	ACPF3	YCPF3	CNF4	CB4	ACPF4	YCPF4		
93	44.35	0.02	0.0371	0.0371	0.0224	0.0371	0.0354	0.0224	0.0343	0.1445	0.1214	0.5117	
94	44.55	0.02	0.0347	0.0347	0.0205	0.0347	0.0325	0.0201	0.0363	0.1374	0.1348	0.5125	
95	44.72	0.03	0.0347	0.0347	0.0156	0.0347	0.0323	0.0201	0.0344	0.1478	0.1185	0.5095	
96	44.90	0.04	0.0347	0.0347	0.0203	0.0347	0.0367	0.0246	0.0327	0.1489	0.1109	0.5054	
97	45.09	0.03	0.0416	0.0416	0.0241	0.0416	0.0307	0.03083	0.0321	0.1545	0.1040	0.5011	
98	45.25	0.02	0.0416	0.0416	0.0241	0.0416	0.0307	0.02987	0.0350	0.1496	0.1171	0.5008	
99	45.43	0.04	0.0324	0.0324	0.0177	0.0324	0.0340	0.02756	0.0376	0.1417	0.1343	0.5084	
100	45.61	0.03	0.0404	0.0404	0.0230	0.0404	0.0370	0.02915	0.0383	0.1462	0.1313	0.5084	
101	45.81	0.03	0.0320	0.0320	0.0215	0.0320	0.0300	0.02936	0.0376	0.1470	0.1280	0.5007	
102	45.90	0.03	0.0340	0.0340	0.0232	0.0340	0.0344	0.03095	0.0355	0.1545	0.1159	0.4992	
103	46.14	0.04	0.0356	0.0356	0.0237	0.0356	0.0370	0.03108	0.0355	0.1530	0.1154	0.4923	
104	46.32	0.04	0.0373	0.0373	0.0215	0.0373	0.0370	0.03132	0.0350	0.1550	0.1116	0.4949	
105	46.51	0.04	0.0361	0.0361	0.0204	0.0361	0.0367	0.03303	0.0340	0.1635	0.1010	0.4863	
106	46.66	0.04	0.0330	0.0330	0.0182	0.0330	0.0332	0.03335	0.0375	0.1483	0.1235	0.4886	
107	46.84	0.04	0.0300	0.0300	0.0150	0.0300	0.0317	0.03226	0.0356	0.1565	0.1103	0.4865	
108	47.00	0.05	0.0361	0.0361	0.0204	0.0361	0.0367	0.03073	0.0380	0.1497	0.1236	0.4871	
109	47.16	0.07	0.0356	0.0356	0.0217	0.0356	0.0366	0.02943	0.0418	0.1471	0.1420	0.4958	
110	47.36	0.06	0.0461	0.0461	0.0256	0.0461	0.0343	0.04183	0.0353	0.2053	0.0643	0.5005	
111	47.51	0.07	0.0427	0.0427	0.0264	0.0427	0.0345	0.03211	0.0414	0.1605	0.1265	0.5012	
112	47.69	0.08	0.0427	0.0427	0.0274	0.0427	0.0345	0.03117	0.0414	0.0366	0.2023	0.0615	0.5034
113	47.88	0.07	0.0451	0.0451	0.0240	0.0451	0.0333	0.04871	0.0331	0.2403	0.0675	0.4933	
114	48.07	0.07	0.0463	0.0463	0.0245	0.0463	0.0300	0.04375	0.0370	0.2204	0.0645	0.5037	
115	48.25	0.06	0.0450	0.0450	0.0235	0.0450	0.0323	0.03937	0.0464	0.1872	0.1178	0.4754	
116	48.43	0.06	0.0425	0.0425	0.0222	0.0425	0.0326	0.03808	0.0423	0.1846	0.1088	0.4747	
117	48.61	0.08	0.0425	0.0425	0.0225	0.0425	0.0307	0.03582	0.0435	0.1657	0.1214	0.4738	
118	48.77	0.07	0.0455	0.0455	0.0261	0.0455	0.0341	0.03624	0.0436	0.1711	0.1203	0.4722	
119	48.90	0.06	0.0438	0.0438	0.0225	0.0438	0.0320	0.03577	0.0435	0.1658	0.1220	0.4721	
120	49.13	0.07	0.0455	0.0455	0.0276	0.0455	0.0322	0.03582	0.0447	0.1656	0.1255	0.4762	
121	49.25	0.05	0.0415	0.0415	0.0212	0.0415	0.0372	0.03623	0.0436	0.1710	0.1203	0.4721	
122	49.47	0.07	0.0463	0.0463	0.0230	0.0463	0.0370	0.03806	0.0445	0.1740	0.1207	0.4720	
123	49.64	0.05	0.0376	0.0376	0.0181	0.0376	0.0327	0.03551	0.0437	0.1703	0.1230	0.4797	
124	49.83	0.06	0.0317	0.0317	0.0206	0.0317	0.0362	0.03687	0.0451	0.1750	0.1223	0.4746	
125	49.99	0.05	0.0436	0.0436	0.0216	0.0436	0.0365	0.03622	0.0451	0.1721	0.1245	0.4750	
126	50.10	0.04	0.0345	0.0345	0.0182	0.0345	0.0370	0.03648	0.0451	0.1733	0.1236	0.4749	
127	50.37	0.03	0.0366	0.0366	0.0192	0.0366	0.0361	0.03615	0.0462	0.1713	0.1278	0.4737	
128	50.52	0.01	0.0380	0.0380	0.0197	0.0380	0.0390	0.03597	0.0460	0.1716	0.1279	0.4765	
129	50.70	0.03	0.0426	0.0426	0.0205	0.0426	0.0324	0.03579	0.0477	0.1658	0.1333	0.4745	
130	50.88	0.03	0.0426	0.0426	0.0210	0.0426	0.0341	0.03695	0.0483	0.1757	0.1307	0.4755	
131	51.04	0.03	0.0401	0.0401	0.0203	0.0401	0.0375	0.03573	0.0502	0.1655	0.1405	0.4756	
132	51.18	0.03	0.0426	0.0426	0.0215	0.0426	0.0359	0.03429	0.0525	0.1645	0.1531	0.4798	
133	51.34	0.04	0.0424	0.0424	0.0227	0.0424	0.0366	0.03443	0.0515	0.1660	0.1496	0.4764	
134	51.52	0.02	0.0452	0.0452	0.0235	0.0452	0.0365	0.03442	0.0516	0.1662	0.1499	0.4830	
135	51.70	0.03	0.0336	0.0336	0.0183	0.0336	0.0337	0.03565	0.0514	0.1701	0.1442	0.4772	
136	51.80	0.03	0.0425	0.0425	0.0217	0.0425	0.0318	0.03622	0.0507	0.1731	0.1400	0.4777	
137	52.02	0.03	0.0363	0.0363	0.0175	0.0363	0.0334	0.03700	0.0506	0.1771	0.1373	0.4786	
138	52.19	0.03	0.0354	0.0354	0.0142	0.0354	0.0340	0.03638	0.0505	0.1734	0.1388	0.4765	

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (ASRCC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RAIO-E	PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	1.00	1.7	0.0	0.0	0.0	0	-30	0	-30	UNKNOWN		
PCINT	ALPHA	BETA	CNF3	CH3	CB3	ACPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
139	52.33	0.03	0.0345	0.9999	0.0161	0.9999	0.4680	0.3624	0.0509	0.1725	0.1404	0.4758
140	52.54	0.02	0.0432	0.9999	0.0221	0.9999	0.5057	0.3617	0.0506	0.1811	0.1331	0.4744
141	52.60	0.02	0.0526	0.9999	0.0162	0.9999	0.5169	0.3662	0.0504	0.1733	0.1376	0.4730
142	52.80	0.02	0.0535	0.9999	0.0164	0.9999	0.4852	0.3704	0.0513	0.1736	0.1385	0.4686
143	53.03	0.02	0.0366	0.9999	0.0162	0.9999	0.4703	0.3612	0.0515	0.1686	0.1426	0.4669
144	53.20	0.02	0.0466	0.9999	0.0206	0.9999	0.5086	0.3609	0.0504	0.1724	0.1388	0.4698
145	53.37	0.01	0.0466	0.9999	0.0158	0.9999	0.4902	0.3620	0.0521	0.1686	0.1435	0.4658
146	53.50	0.00	0.0575	0.9999	0.0166	0.9999	0.5027	0.3636	0.0513	0.1704	0.1338	0.4650
147	53.70	0.01	0.0533	0.9999	0.0153	0.9999	0.4540	0.3761	0.0504	0.1757	0.1354	0.4671
148	53.85	0.01	0.0562	0.9999	0.0164	0.9999	0.4786	0.3714	0.0507	0.1733	0.1365	0.4665
149	54.06	0.01	0.0555	0.9999	0.0206	0.9999	0.5226	0.3650	0.0514	0.1786	0.1335	0.4638
150	54.20	0.02	0.0555	0.9999	0.0212	0.9999	0.5327	0.3651	0.0512	0.1751	0.1330	0.4650
151	54.38	0.00	0.0405	0.9999	0.0211	0.9999	0.5223	0.3583	0.0509	0.1863	0.1278	0.4677
152	54.54	0.00	0.0446	0.9999	0.0241	0.9999	0.5391	0.4042	0.0506	0.1872	0.1252	0.4631
153	54.71	-0.00	0.0527	0.9999	0.0202	0.9999	0.5233	0.4164	0.0511	0.1926	0.1227	0.4626
154	54.85	0.01	0.0575	0.9999	0.0153	0.9999	0.5160	0.4015	0.0510	0.1851	0.1270	0.4609
155	55.01	0.00	0.0362	0.9999	0.0150	0.9999	0.5263	0.4053	0.0514	0.1674	0.1268	0.4623
156	55.17	0.01	0.0567	0.9999	0.0202	0.9999	0.5233	0.4003	0.0520	0.1803	0.1274	0.4611
157	55.30	-0.00	0.0332	0.9999	0.0158	0.9999	0.4773	0.3976	0.0517	0.1825	0.1300	0.4587
158	55.45	-0.01	0.0375	0.9999	0.0151	0.9999	0.5107	0.4129	0.0516	0.1898	0.1250	0.4594
159	55.63	-0.00	0.0411	0.9999	0.0231	0.9999	0.5534	0.4072	0.0504	0.1871	0.1250	0.4594
160	55.74	0.00	0.0417	0.9999	0.0236	0.9999	0.5673	0.4040	0.0512	0.1862	0.1267	0.4608
161	55.93	0.01	0.0356	0.9999	0.0162	0.9999	0.5127	0.4090	0.0513	0.1862	0.1254	0.4601
162	56.09	0.01	0.0345	0.9999	0.0176	0.9999	0.5057	0.4147	0.0512	0.1859	0.1235	0.4578
163	56.27	0.01	0.0425	0.9999	0.0253	0.9999	0.5806	0.4081	0.0516	0.1857	0.1264	0.4544
164	56.43	0.02	0.0324	0.9999	0.0169	0.9999	0.5232	0.4211	0.0515	0.1919	0.1223	0.4557
165	56.60	-0.02	0.0325	0.9999	0.0157	0.9999	0.4866	0.4278	0.0518	0.1947	0.1211	0.4551
166	56.77	-0.02	0.0313	0.9999	0.0151	0.9999	0.4990	0.4186	0.0515	0.1876	0.1231	0.4482
167	56.95	-0.01	0.0326	0.9999	0.0147	0.9999	0.4523	0.4172	0.0520	0.1878	0.1247	0.4502
168	57.05	-0.04	0.0336	0.9999	0.0166	0.9999	0.4965	0.4025	0.0512	0.1817	0.1271	0.4509

PAGE 1 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RXIC-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7			121	1.10	1.7	0.0	0.10031	0.0	-30	0	-30	UNKNOWN
PLINT	ALPHA	BETA	CN	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP	
1	-5.01	0.02	-4.2325	14.8727	0.0145	-0.0226	0.0043	2.2055	0.3399	1.8657	-3.5139	
2	-5.01	0.04	-4.2456	14.9026	0.0345	-0.1072	0.0044	2.2103	0.3361	1.8743	-3.5068	
3	-5.01	0.05	-4.2786	14.9501	0.0832	-0.2090	0.0046	2.2226	0.3375	1.8851	-3.5035	
4	-5.00	0.03	-4.0765	14.9535	-0.0455	0.0000	0.0043	2.1654	0.3257	1.8398	-3.5551	
5	-3.50	0.05	-3.7585	13.7735	-0.0147	-0.0235	0.0049	2.0000	0.3054	1.7626	-3.6648	
6	-1.92	0.04	-3.9250	12.5515	0.0555	-0.1317	-0.0053	2.0000	0.3144	1.8543	-3.7816	
7	-0.21	0.04	-3.0837	12.0851	0.0785	-0.1295	-0.0050	1.9059	0.3082	1.5577	-3.5190	
8	1.55	0.03	-2.6525	11.1023	0.0154	-0.0255	-0.0048	1.7016	0.2999	1.4820	-4.1228	
9	3.41	0.04	-2.3020	10.1324	0.0504	-0.0211	0.0010	1.6743	0.2974	1.3785	-4.4016	
10	5.13	0.05	-1.8922	9.1225	-0.0254	0.0495	0.0013	1.5265	0.3110	1.2455	-4.8214	
11	6.96	0.04	-1.5080	8.1325	0.0406	-0.0033	-0.0037	1.4468	0.3228	1.1241	-5.4001	
12	8.77	0.04	-1.0575	7.0922	0.0627	-0.0240	-0.0085	1.3190	0.3284	0.9906	-6.2585	
13	10.63	0.05	-0.5841	5.9593	0.0807	-0.0165	-0.0135	1.2011	0.3329	0.8663	-10.2453	
14	12.51	0.05	-0.1212	4.8700	0.0311	0.0333	-0.0120	1.0802	0.3377	0.7465	-40.9333	
15	14.41	0.03	0.3113	4.0355	0.0004	0.0002	-0.0015	0.9848	0.3423	0.6425	13.0294	
16	16.30	0.02	0.6712	3.1280	-0.0850	0.3210	-0.0000	0.8520	0.3469	0.5032	3.5407	
17	18.30	0.02	1.3035	2.4184	-0.1100	0.3763	-0.0004	0.7612	0.3476	0.4134	1.8556	
18	20.35	0.01	1.7622	2.0211	-0.2255	0.7727	-0.0104	0.6045	0.3480	0.3359	1.1443	
19	22.32	0.02	2.3240	1.9276	-0.0557	0.2509	-0.0286	0.5201	0.3500	0.2701	0.8152	
20	24.34	0.03	2.9067	2.1053	0.0215	0.0425	-0.0035	0.5750	0.3594	0.2164	0.7250	
21	26.32	0.05	3.5785	2.2846	0.3595	-0.7890	0.0342	0.5069	0.3727	0.1542	0.6332	
22	28.34	0.00	4.1510	2.2777	0.7555	-1.8043	0.1120	0.5359	0.3841	0.1518	0.5426	
23	28.38	0.07	4.2274	2.2700	0.5052	-1.2385	0.0897	0.5546	0.3855	0.1651	0.5359	
24	28.60	0.06	4.4975	2.1246	0.4056	-1.0042	0.0005	0.5188	0.3809	0.1315	0.4777	
25	28.55	0.05	4.5320	2.0557	0.3341	-0.7391	0.0630	0.5215	0.3918	0.1297	0.4624	
26	29.30	0.00	4.6216	2.0565	0.6590	-1.5039	0.1101	0.5476	0.3942	0.1534	0.4451	
27	29.00	0.05	4.7665	1.9510	0.3918	-0.7267	0.0478	0.5091	0.3945	0.1146	0.4093	
28	29.89	0.00	4.8520	1.8575	0.4321	-0.6032	0.0749	0.5034	0.3963	0.1071	0.3629	
29	30.19	0.00	5.0031	1.7062	0.5222	-0.5512	0.0973	0.4641	0.4025	0.0815	0.3370	
30	30.40	0.07	5.1651	1.5764	0.8011	-1.0600	0.1251	0.4777	0.4033	0.0744	0.3053	
31	30.75	0.07	5.3402	1.4800	0.6155	-1.2217	0.0770	0.4706	0.4043	0.0663	0.2787	
32	31.02	0.11	5.4271	1.4010	1.1008	-2.5772	0.1328	0.4452	0.4029	0.0423	0.2729	
33	31.31	0.05	5.5081	1.2453	0.8823	-1.8618	0.1214	0.4364	0.4074	0.0250	0.2236	
34	31.50	0.07	5.6033	1.2520	0.5005	-0.6225	0.0605	0.4352	0.4109	0.0243	0.2227	
35	31.80	0.04	5.7752	1.2830	0.3025	-0.5615	0.0775	0.4324	0.4143	0.0161	0.2220	
36	32.14	0.05	5.9004	1.1044	0.3478	-0.2350	0.0539	0.4329	0.4153	0.0176	0.2005	
37	32.41	0.00	6.0353	1.1362	0.4022	-1.0174	0.1109	0.4091	0.4128	-0.0037	0.1883	
38	32.08	0.00	6.0920	1.0885	0.5003	-1.0400	0.1271	0.4026	0.4142	-0.0116	0.1623	
39	32.95	0.04	6.3077	0.9532	0.2224	-0.3822	0.1003	0.3977	0.4190	-0.0213	0.1575	
40	33.21	0.00	6.3433	0.8487	0.4037	-0.5530	0.1419	0.3922	0.4210	-0.0288	0.1338	
41	33.47	0.03	6.5172	0.7415	0.2053	-0.6129	0.1009	0.3950	0.4218	-0.0268	0.1138	
42	33.72	0.00	6.6115	0.6710	-0.0624	0.4450	0.0562	0.3890	0.4262	-0.0566	0.1015	
43	34.00	0.05	6.7535	0.5517	0.2782	-0.2881	0.1535	0.3451	0.4245	-0.0794	0.0871	
44	34.24	0.04	6.9524	0.4651	0.3322	-0.3490	0.1234	0.3476	0.4307	-0.0831	0.0583	
45	34.48	0.02	6.9740	0.4400	0.0223	0.4832	0.0885	0.3574	0.4345	-0.0771	0.0632	
46	34.75	0.05	7.4712	0.3356	0.4160	-0.4070	0.1453	0.3398	0.4380	-0.0583	0.0481	

PAGE 1 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PAFF XXIC-E PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
7 121 1.10 1.7 C.C 0.0031 C.C 0 -30 0 -30 UNKNOWN											
FLINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	35.00	0.04	7.3474	0.1367	0.3231	-0.2637	0.1725	0.3275	0.4417	-0.1143	0.0186
48	35.24	0.04	7.3441	0.0105	0.3323	-0.5595	0.1765	0.3232	0.4435	-0.1224	0.0015
49	35.50	0.05	7.5265	0.0073	0.4235	-0.4610	0.1574	0.3268	0.4402	-0.1195	0.0080
50	35.73	0.05	7.5580	0.0066	0.4696	-0.6343	0.1685	0.3280	0.4521	-0.1242	0.0048
51	35.97	0.04	7.6457	-0.0025	0.2506	-0.1053	0.1256	0.3143	0.4541	-0.1399	-0.0004
52	36.21	0.03	7.7111	-0.0067	0.3675	-0.5024	0.1401	0.3249	0.4541	-0.1293	-0.0115
53	36.45	0.03	7.8820	-0.0067	0.2166	-0.2501	0.1589	0.3183	0.4569	-0.1387	-0.0237
54	36.69	0.04	8.0075	-0.0202	0.4113	-0.6196	0.1611	0.2746	0.4507	-0.1761	-0.0260
55	36.93	0.04	8.1184	-0.03677	0.5632	-0.3864	0.1385	0.2911	0.4500	-0.1550	-0.0453
56	37.17	0.03	8.2131	-0.0405	0.3653	-0.4726	0.1603	0.2762	0.4497	-0.1735	-0.0500
57	37.41	0.01	8.3562	-0.0543	0.2141	-0.1811	0.1497	0.2608	0.4586	-0.1778	-0.0672
58	37.65	0.04	8.5037	-0.0446	0.4636	-0.5532	0.1768	0.2976	0.4613	-0.1636	-0.0656
59	37.88	0.05	8.6517	-0.0536	0.5057	-0.5544	0.1399	0.2639	0.4548	-0.1509	-0.0691
60	38.11	0.02	8.7555	-0.0552	0.2117	-0.2162	0.1366	0.2675	0.4555	-0.1680	-0.0681
61	38.35	0.02	8.7032	-0.0535	0.1767	-0.2201	0.1294	0.2514	0.4556	-0.2044	-0.0981
62	38.60	0.02	8.8471	-0.0446	0.3018	-0.3655	0.1195	0.2445	0.4579	-0.2134	-0.1045
63	38.82	0.01	8.9044	-1.0715	0.2354	-0.3072	0.1353	0.2164	0.4552	-0.2366	-0.1204
64	39.05	0.02	9.0063	-1.1122	0.3219	-0.2809	0.1144	0.2086	0.4524	-0.2438	-0.1232
65	39.27	-0.02	9.0223	-1.0672	0.0010	0.0495	0.0871	0.2017	0.4510	-0.2493	-0.1183
66	39.45	0.01	9.2161	-1.2501	0.1547	-0.2071	0.0862	0.1843	0.4490	-0.2647	-0.1363
67	39.72	-0.01	9.2563	-1.3263	-0.0014	0.0064	0.0246	0.1966	0.4562	-0.2574	-0.1427
68	39.94	0.00	9.3655	-1.4502	0.1070	-0.3078	0.0617	0.1852	0.4523	-0.2671	-0.1587
69	40.16	0.01	9.4654	-1.4876	0.1830	-0.2692	0.0784	0.1519	0.4486	-0.2968	-0.1571
70	40.38	0.01	9.5160	-1.5712	0.1657	-0.3289	0.0938	0.1470	0.4434	-0.2965	-0.1651
71	40.58	0.01	9.6853	-1.7533	0.2057	-0.1335	0.1159	0.1270	0.4453	-0.3224	-0.1852
72	40.77	-0.01	9.6696	-1.6626	0.0683	0.0541	0.0681	0.1234	0.4469	-0.3236	-0.1914
73	40.98	0.03	9.8134	-1.7685	0.2780	-0.2265	0.0688	0.1088	0.4390	-0.3303	-0.1801
74	41.19	-0.01	9.9346	-1.5753	-0.0493	-0.0241	0.0079	0.1141	0.4462	-0.3342	-0.1988
75	41.35	0.02	10.0413	-2.0635	0.1601	-0.0830	0.0065	0.1049	0.4475	-0.3431	-0.2075
76	41.61	-0.00	10.0644	-2.0501	0.1373	-0.1437	0.0045	0.0745	0.4414	-0.3669	-0.2073
77	41.62	-0.00	10.2777	-2.2636	-0.0431	-0.1133	0.0377	0.0853	0.4526	-0.3675	-0.2202
78	42.02	-0.00	10.2559	-2.0165	-0.0734	0.3771	0.0040	0.0826	0.4455	-0.3625	-0.2357
79	42.24	-0.01	10.4765	-2.3551	-0.1073	0.3596	0.0340	0.0473	0.4421	-0.3548	-0.2286
80	42.44	0.01	10.5547	-2.6667	0.0570	0.5030	0.0083	0.0475	0.4437	-0.3562	-0.2517
81	42.64	-0.02	10.5754	-2.5025	-0.1102	0.7753	0.0570	0.0490	0.4510	-0.4020	-0.2367
82	42.81	0.00	10.7122	-2.7002	-0.0012	0.9005	0.0041	0.0311	0.4446	-0.4137	-0.2521
83	43.00	0.00	10.8850	-2.4532	-0.0284	0.6111	0.0480	0.0178	0.4441	-0.4263	-0.2333
84	43.19	-0.01	10.9420	-2.9446	-0.2110	1.2423	0.0456	0.0065	0.4545	-0.4480	-0.2690
85	43.38	0.00	10.8309	-2.8107	-0.0651	0.3140	0.0380	0.0093	0.4465	-0.4370	-0.2594
86	43.54	-0.01	10.9644	-2.7200	-0.1547	0.7798	0.0369	-0.0255	0.4324	-0.4579	-0.2481
87	43.73	-0.03	11.0335	-2.7753	-0.0254	0.2010	0.0336	-0.0225	0.4266	-0.4455	-0.2519
88	43.92	0.01	11.1141	-2.5443	-0.1153	1.1200	0.0305	-0.0130	0.4374	-0.4509	-0.2649
89	44.12	0.01	11.2300	-2.3476	0.0526	0.0714	0.0294	-0.0343	0.4303	-0.4646	-0.2536
90	44.27	-0.01	11.2576	-2.9554	-0.1441	0.5419	0.0386	-0.0651	0.4314	-0.4566	-0.2655
91	44.46	0.00	11.2657	-3.0055	-0.0550	0.4510	0.0226	-0.0564	0.4352	-0.4917	-0.2719
92	44.66	-0.00	11.4643	-3.0223	-0.0151	0.4623	0.0236	-0.0914	0.4203	-0.5118	-0.2636

PAGE 1 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 1.10-6 PHI CNCF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
7 121 1.10 1.7 C.C. 0100F31 C.C J -30 J -30 UNKNOWN											
POINT	ALPHA	BETA	CN	CLM	CV	CLA	CLL	CA	CAB	CAF	XCP
93	44.84	-0.03	11.6097	-3.0990	-0.3212	1.3231	0.0103	-0.0803	0.4336	-0.5140	-0.2685
94	45.04	-0.00	11.5672	-3.1270	-0.0653	0.4540	0.0236	-0.0876	0.4267	-0.5146	-0.2703
95	45.25	-0.01	11.6735	-3.2069	0.0405	-0.0605	0.0259	-0.0835	0.4284	-0.5124	-0.2747
96	45.43	-0.02	11.7840	-3.2673	-0.2281	0.6801	0.0132	-0.1109	0.4319	-0.5428	-0.2772
97	45.62	-0.00	11.6536	-3.2237	-0.0425	-0.1544	0.0374	-0.0947	0.4333	-0.5281	-0.2720
98	45.80	-0.01	11.4056	-3.0113	-0.2740	1.5670	-0.0112	-0.1009	0.4439	-0.5448	-0.2430
99	45.99	-0.01	11.9768	-3.3516	0.0675	0.2306	0.0203	-0.1254	0.4245	-0.5503	-0.2798
100	46.16	-0.02	12.0042	-3.4671	-0.3674	1.6195	-0.0224	-0.1157	0.4360	-0.5537	-0.2880
101	46.34	-0.01	12.1404	-3.4475	-0.3023	1.4815	-0.0156	-0.1413	0.4235	-0.5648	-0.2840
102	46.50	-0.02	12.1325	-3.3353	-0.2507	1.2592	-0.0093	-0.1326	0.4336	-0.5662	-0.2749
103	46.68	-0.00	12.2030	-3.6504	-0.1871	1.2522	-0.0310	-0.1365	0.4341	-0.5706	-0.2991
104	46.87	-0.03	12.2500	-3.3624	-0.5725	2.4603	-0.0616	-0.1348	0.4554	-0.5542	-0.2899
105	47.05	-0.05	12.4977	-3.5061	-0.7025	2.6142	-0.0941	-0.1123	0.4595	-0.5718	-0.2853
106	47.22	-0.05	12.4415	-3.2528	-0.6497	2.7206	-0.0993	-0.1161	0.4535	-0.5696	-0.2651
107	47.39	-0.04	12.3253	-2.6518	-0.6785	3.0740	-0.1328	-0.0499	0.4656	-0.5196	-0.2184
108	47.56	-0.04	12.4341	-2.9227	-0.6674	2.8417	-0.1162	-0.0605	0.4765	-0.5371	-0.2399
109	47.71	-0.04	12.3555	-2.8321	-0.6526	3.0313	-0.1219	-0.0396	0.4766	-0.5163	-0.2297
110	47.90	-0.02	12.5224	-2.6573	-0.4503	2.5110	-0.1194	-0.0104	0.4975	-0.5079	-0.2121
111	48.08	-0.04	12.5224	-2.7723	-0.6436	2.6290	-0.1196	-0.0128	0.5035	-0.5163	-0.2213
112	48.25	-0.04	12.6504	-2.6433	-0.5464	2.4617	-0.1243	-0.0112	0.5070	-0.5182	-0.2250
113	48.42	-0.04	12.7240	-2.6473	-0.5636	2.4191	-0.1183	-0.0393	0.5077	-0.5470	-0.2237
114	48.59	-0.02	12.7311	-2.9350	-0.4840	2.4126	-0.1079	-0.0408	0.5140	-0.5548	-0.2305
115	48.75	-0.00	13.1774	-4.0007	-0.0353	1.2634	-0.0714	-0.1120	0.5094	-0.6213	-0.3036
116	48.90	-0.01	13.2713	-4.1231	-0.6592	0.8516	-0.0478	-0.1137	0.5165	-0.6301	-0.3107
117	49.13	-0.01	13.2665	-4.1575	-0.1245	1.1791	-0.0653	-0.1235	0.5206	-0.6440	-0.3134
118	49.29	0.02	13.3750	-4.2654	0.6501	0.6577	-0.0363	-0.1132	0.5206	-0.6337	-0.3143
119	49.46	0.02	13.3666	-4.2040	0.2068	0.2586	-0.0241	-0.0936	0.5514	-0.6450	-0.3140
120	49.63	0.02	13.2500	-3.1466	0.2003	0.5506	0.0076	0.0291	0.5656	-0.5405	-0.2375
121	49.80	0.02	13.2629	-3.2632	0.2441	0.5515	0.0076	0.0280	0.5767	-0.5507	-0.2415
122	49.96	0.04	13.1501	-2.7462	0.2514	0.6037	0.0240	0.0687	0.5611	-0.5124	-0.2081
123	50.15	0.03	13.2745	-3.1166	0.2573	0.5675	0.0187	0.0492	0.5619	-0.5327	-0.2345
124	50.33	0.03	13.2534	-2.9260	0.3596	0.6604	0.0394	0.0671	0.5516	-0.5245	-0.2203
125	50.46	0.04	13.4214	-3.7804	0.2435	0.7835	0.0435	0.0584	0.6004	-0.5420	-0.2370
126	50.65	0.02	13.3276	-2.9625	0.3321	0.5521	0.0391	0.0612	0.6035	-0.5427	-0.2223
127	50.85	0.04	13.5527	-3.7808	0.3336	0.5701	0.0290	0.0424	0.5966	-0.5542	-0.2340
128	51.01	0.03	13.5417	-3.0078	0.3314	0.5391	0.0236	0.0376	0.6011	-0.5635	-0.2221
129	51.18	0.01	13.5065	-2.9336	0.2517	0.5311	0.0294	0.0384	0.5983	-0.5599	-0.2162
130	51.18	0.03	13.3618	-2.4542	0.3611	1.0781	0.0352	0.0317	0.6000	-0.5683	-0.2211

PAGE 2 OF 3
 SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	FX1C-6	PHI	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION
1	1.1	1.10	1.7	0.0	0.0000	0.0	0.0	0.0	UNKNOWN
POINT	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7
1	-5.61	0.02	-0.0041	0.0010	0.0038	-0.2439	-0.9268	-1.2791	0.0359
2	-5.61	0.04	-0.0020	0.0014	0.0046	-0.7000	-2.3300	-1.2745	0.0364
3	-5.61	0.05	0.0007	0.0018	0.0062	-2.5714	0.0571	-1.2821	0.0367
4	-5.30	0.05	-0.0020	0.0011	0.0035	-0.3007	-1.3000	-1.2363	0.0349
5	-3.36	0.03	-0.0052	0.0011	0.0025	-0.2113	-0.5577	-1.1704	0.0342
6	-1.42	0.04	0.0015	0.0013	0.0047	0.0667	3.1333	-1.0041	0.0336
7	-0.21	0.04	-0.0005	0.0017	0.0036	-1.4000	-1.2000	-1.0010	0.0282
8	1.55	0.03	0.0011	0.0010	0.0030	0.9091	3.2727	-0.9016	0.0217
9	3.41	0.04	0.0017	0.0010	0.0034	0.5862	2.0000	-0.5050	0.0187
10	5.13	0.03	-0.0043	0.0002	0.0021	-0.0405	-0.4604	-0.7162	0.0120
11	6.56	0.04	-0.0136	-0.0002	0.0025	-0.0167	-0.2132	-0.6197	0.0072
12	6.77	0.04	-0.0167	-0.0008	0.0017	0.0474	-0.1018	-0.5178	0.0046
13	10.63	0.05	-0.0193	-0.0011	0.0040	0.0570	-0.2073	-0.4164	0.0023
14	14.51	0.03	-0.0220	-0.0014	0.0026	0.0409	-0.1182	-0.3328	0.0006
15	14.41	0.03	-0.0230	-0.0005	0.0076	-0.0391	-0.3304	-0.2464	-0.0017
16	16.40	0.04	-0.0342	0.0004	0.0051	-0.0117	-0.1496	-0.1502	-0.0035
17	18.36	0.02	-0.0360	0.0007	0.0057	-0.0195	-0.1588	-0.0908	-0.0032
18	20.33	0.01	-0.0602	0.0026	-0.0043	-0.0424	-0.0651	-0.0425	0.0006
19	22.32	0.02	-0.0471	0.0020	-0.0086	-0.0426	0.1830	0.0025	0.0057
20	24.34	0.03	-0.0407	0.0030	-0.0044	-0.0644	0.0944	0.0201	0.0138
21	26.32	0.05	-0.0213	-0.0025	0.0010	-0.0356	0.7509	0.0547	0.0210
22	28.34	0.06	0.1777	0.0031	0.0070	0.0175	0.3444	0.0929	0.0229
23	28.38	0.07	0.1620	0.0047	0.0060	0.0291	0.3553	0.0922	0.0225
24	28.60	0.06	0.1228	0.0065	0.0122	0.0531	0.3800	0.0642	0.0113
25	28.95	0.05	0.0005	0.0008	0.0060	0.1096	0.7036	0.0859	0.0246
26	29.30	0.06	0.1627	0.0061	0.1015	0.0335	0.5557	0.0961	0.0230
27	29.60	0.05	0.0630	0.0075	0.0481	0.1192	0.7313	0.0945	0.0247
28	29.89	0.06	0.1107	0.0065	0.0657	0.0624	0.6299	0.1045	0.0240
29	30.19	0.06	0.1485	0.0107	0.0645	0.0720	0.5700	0.1258	0.0236
30	30.48	0.07	0.1754	0.0100	0.0971	0.0660	0.5337	0.1354	0.0231
31	30.75	0.07	0.1652	0.0120	0.0888	0.0710	0.5246	0.1611	0.0211
32	31.02	0.11	0.2513	0.0115	0.1266	0.0403	0.4996	0.1804	0.0192
33	31.31	0.09	0.1914	0.0135	0.1025	0.0707	0.5356	0.1831	0.0206
34	31.50	0.07	0.1425	0.0122	0.0734	0.0998	0.5990	0.1896	0.0219
35	31.86	0.04	0.0415	0.0113	0.0621	0.1232	0.6761	0.1843	0.0232
36	32.14	0.05	0.0541	0.0057	0.0435	0.1830	0.8204	0.1829	0.0239
37	32.41	0.06	0.0567	0.0080	0.0676	0.0829	0.6995	0.1705	0.0241
38	32.68	0.06	0.1664	0.0090	0.0538	0.0578	0.5635	0.1807	0.0243
39	32.95	0.04	0.1240	0.0076	0.0805	0.0591	0.6239	0.1783	0.0255
40	33.21	0.06	0.0614	0.0076	0.0605	0.0802	0.7461	0.1709	0.0276
41	33.47	0.03	0.1022	0.0070	0.0714	0.0666	0.6990	0.1843	0.0264
42	33.72	0.00	0.0191	0.0062	0.0313	0.3240	1.0033	0.1803	0.0270
43	34.00	0.03	0.0850	0.0063	0.0681	0.0709	0.7658	0.1915	0.0274
44	34.24	0.04	0.0965	0.0050	0.0730	0.0582	0.7570	0.1926	0.0270
45	34.48	0.02	0.0020	0.0052	0.0277	2.6000	13.8000	0.1838	0.0288
46	34.75	0.05	0.1054	0.0070	0.0775	0.0641	0.7019	0.1927	0.0276

PAGE 2 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	REF	PHI	CCAF	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7		121	1.10	1.1	C.C	0.100	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CNF1	CH1	CL1	YCPF1	YCPF1	CNF2	CH2	CL2	YCPF2	YCPF2
47	35.00	0.04	0.1001	0.0075	0.0726	0.0791	0.7277	0.2071	0.0265	0.0649	0.1277	0.3135
48	35.24	0.04	0.1072	0.0074	0.0685	0.0541	0.6475	0.2116	0.0255	0.0682	0.1222	0.3224
49	35.50	0.05	0.0755	0.0077	0.0633	0.0571	0.7970	0.2070	0.0262	0.0656	0.1263	0.3180
50	35.75	0.05	0.1142	0.0093	0.0705	0.0610	0.6043	0.2069	0.0258	0.0679	0.1233	0.3252
51	35.97	0.04	0.0076	0.0066	0.0517	0.0566	0.7046	0.2126	0.0256	0.0707	0.1202	0.3327
52	36.21	0.03	0.0551	0.0062	0.0703	0.0625	0.7096	0.2240	0.0251	0.0764	0.1119	0.3406
53	36.45	0.03	0.0654	0.0075	0.0615	0.0860	0.7254	0.2188	0.0252	0.0726	0.1149	0.3326
54	36.69	0.04	0.1023	0.0093	0.0700	0.0911	0.6646	0.2275	0.0256	0.0754	0.1123	0.3313
55	36.93	0.04	0.0565	0.0082	0.0676	0.0652	0.7030	0.2373	0.0256	0.0802	0.1077	0.3378
56	37.17	0.03	0.1203	0.0104	0.0757	0.0800	0.6200	0.2401	0.0256	0.0847	0.1038	0.3441
57	37.41	0.01	0.0226	0.0076	0.0602	0.0520	0.7276	0.2526	0.0248	0.0855	0.0580	0.3395
58	37.63	0.04	0.1452	0.0153	0.0693	0.1036	0.5675	0.2405	0.0272	0.0845	0.1091	0.3410
59	37.88	0.05	0.1050	0.0121	0.0717	0.1112	0.5581	0.2513	0.0266	0.0862	0.1057	0.3425
60	38.11	0.02	0.0072	0.0092	0.0622	0.1115	0.7130	0.2647	0.0245	0.0933	0.0939	0.3524
61	38.35	0.02	0.0097	0.0094	0.0625	0.1035	0.6895	0.2715	0.0245	0.0971	0.0915	0.3577
62	38.60	0.03	0.0596	0.0074	0.0684	0.1244	0.6110	0.2749	0.0237	0.0990	0.0864	0.3602
63	38.84	0.01	0.0655	0.0096	0.0565	0.1120	0.6001	0.2790	0.0247	0.1002	0.0884	0.3592
64	39.05	0.02	0.0910	0.0076	0.0430	0.1476	0.6465	0.2907	0.0247	0.1054	0.0848	0.3626
65	39.27	-0.02	0.0541	0.0100	0.0420	0.2000	0.7759	0.2881	0.0255	0.1045	0.0883	0.3628
66	39.49	0.01	0.0504	0.0090	0.0415	0.1705	0.8310	0.2995	0.0241	0.1090	0.0806	0.3640
67	39.72	-0.01	0.0500	0.0010	0.0433	0.1607	0.2100	0.3163	0.0214	0.1166	0.0678	0.3687
68	39.94	0.00	0.0300	0.0050	0.0315	0.1540	1.0435	0.3190	0.0233	0.1172	0.0732	0.3676
69	40.14	0.01	0.0521	0.0080	0.0424	0.1654	0.8135	0.3227	0.0235	0.1183	0.0730	0.3668
70	40.36	0.01	0.0492	0.0073	0.0314	0.2509	1.0750	0.3290	0.0238	0.1212	0.0725	0.3686
71	40.58	0.01	0.0556	0.0124	0.0457	0.2084	0.7684	0.3367	0.0253	0.1233	0.0750	0.3681
72	40.77	-0.01	0.0504	0.0070	0.0315	0.2310	1.0303	0.3513	0.0228	0.1255	0.0650	0.3685
73	40.98	0.03	0.0412	0.0100	0.0365	0.2398	0.6825	0.3455	0.0246	0.1263	0.0716	0.3656
74	41.19	-0.01	0.0247	0.0060	0.0262	0.2439	1.1423	0.3574	0.0232	0.1323	0.0650	0.3701
75	41.39	0.02	0.0190	0.0060	0.0223	0.3158	1.2353	0.3667	0.0235	0.1354	0.0642	0.3652
76	41.61	-0.00	0.0152	0.0054	0.0320	0.2393	0.9435	0.3605	0.0240	0.1343	0.0653	0.3644
77	41.82	-0.00	0.0140	0.0054	0.0204	0.0274	1.5973	0.3915	0.0212	0.1459	0.0543	0.3727
78	42.02	-0.00	0.0220	0.0050	0.0262	0.0503	1.1549	0.3597	0.0285	0.1316	0.0791	0.3657
79	42.24	-0.01	0.0063	0.0150	0.0180	0.0635	2.9524	0.3723	0.0282	0.1356	0.0756	0.3642
80	42.44	0.01	0.0060	0.0121	0.0154	0.1067	25.6007	0.3763	0.0273	0.1378	0.0724	0.3662
81	42.64	-0.02	0.0264	0.0134	0.0043	0.0595	0.1655	0.3686	0.0295	0.1340	0.0795	0.3635
82	42.81	0.00	0.0575	0.0153	0.0117	0.0302	0.2038	0.3627	0.0326	0.1304	0.0858	0.3554
83	43.00	0.00	0.0133	0.0061	0.0086	0.0690	0.6566	0.3992	0.0264	0.1447	0.0660	0.3624
84	43.19	-0.01	0.0550	0.0113	0.0110	0.2058	0.2004	0.3914	0.0299	0.1427	0.0763	0.3646
85	43.36	0.00	0.0180	0.0040	0.0075	0.2128	0.4202	0.4210	0.0241	0.1547	0.0574	0.3675
86	43.54	-0.01	0.0034	0.0020	0.0104	0.0128	2.6007	0.4363	0.0240	0.1602	0.0567	0.3672
87	43.73	-0.00	0.0042	0.0033	0.0112	0.7857	2.6667	0.4373	0.0248	0.1597	0.0566	0.3653
88	43.92	0.01	0.0072	0.0153	0.0023	0.1577	0.3010	0.3682	0.0330	0.1387	0.0849	0.3573
89	44.12	0.01	0.0325	0.0048	0.0036	0.1481	0.0165	0.4392	0.0262	0.1593	0.0595	0.3628
90	44.27	-0.01	0.0055	0.0040	0.0097	0.1625	0.1751	0.4262	0.0295	0.1536	0.0688	0.3588
91	44.46	0.00	0.0570	0.0075	0.0167	0.1300	0.2394	0.4310	0.0286	0.1523	0.0663	0.3534
92	44.66	-0.00	0.0555	0.0048	0.0034	0.1326	0.0960	0.4548	0.0277	0.1641	0.0608	0.3606

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 3 OF 3

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH REYNOLDS			PHI	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION			
7	121	1.10	1.7	C.C. BIRCH	C.C.	0	-30	0	-30 UNKNOWN			
PLINT	ALPHA	BETA	CONF1	CH1	CH1	XCFF1	YCFF1	CONF2	CH2	CH2	XCFF2	YCFF2
93	45.54	-0.03	-0.0512	0.0088	-0.0293	-0.0567	0.3209	0.4361	0.0308	0.1567	0.0705	0.3594
94	45.04	-0.00	-0.0022	0.0075	-0.0014	-0.0003	0.2010	0.4376	0.0301	0.1567	0.0667	0.3581
95	45.25	-0.01	-0.0140	0.0032	0.0035	-0.02162	-0.2365	0.4772	0.0264	0.1730	0.0563	0.3625
96	45.43	-0.02	-0.0160	0.0021	-0.0017	-0.1250	0.1012	0.4778	0.0271	0.1725	0.0566	0.3609
97	45.62	-0.00	-0.0144	0.0028	-0.0000	-0.1000	0.10167	0.4836	0.0276	0.1754	0.0570	0.3626
98	45.80	-0.01	-0.1250	0.0002	-0.0025	-0.0034	0.3774	0.4537	0.0322	0.1609	0.0709	0.3547
99	45.95	0.01	-0.0000	0.0002	-0.0015	-0.0005	0.2520	0.4602	0.0308	0.1670	0.0657	0.3568
100	46.16	-0.02	-0.1000	0.0001	-0.0035	-0.0000	0.3930	0.4447	0.0345	0.1562	0.0715	0.3513
101	46.34	-0.01	-0.1374	0.0077	-0.0021	-0.0000	0.3947	0.4521	0.0340	0.1569	0.0751	0.3515
102	46.50	-0.02	-0.1657	0.0000	-0.0017	-0.0000	0.3030	0.4482	0.0345	0.1571	0.0769	0.3505
103	46.68	-0.00	-0.1000	0.0000	-0.0078	-0.0000	0.4215	0.4577	0.0333	0.1593	0.0727	0.3481
104	46.87	-0.03	-0.2252	0.0003	-0.0004	-0.0014	0.3944	0.4402	0.0302	0.1559	0.0811	0.3494
105	47.05	-0.05	-0.1527	0.0005	-0.0002	-0.0000	0.4086	0.4723	0.0350	0.1667	0.0741	0.3531
106	47.22	-0.05	-0.2500	-0.0042	-0.0000	0.0013	0.4013	0.4403	0.0373	0.1515	0.0847	0.3441
107	47.39	-0.04	-0.2500	-0.0055	-0.0000	0.0016	0.3787	0.3995	0.0357	0.1294	0.0553	0.3238
108	47.56	-0.04	-0.2400	-0.0010	-0.0000	0.0000	0.3021	0.4445	0.0371	0.1542	0.0834	0.3465
109	47.71	-0.04	-0.2437	-0.0050	-0.0000	0.0017	0.3701	0.4165	0.0364	0.1402	0.0518	0.3352
110	47.90	-0.02	-0.1531	-0.0011	-0.0000	0.0070	0.3373	0.4513	0.0305	0.1558	0.0808	0.3452
111	48.08	-0.04	-0.1530	-0.0043	-0.0000	0.0072	0.3390	0.4436	0.0374	0.1512	0.0843	0.3409
112	48.25	-0.04	-0.1000	-0.0020	-0.0000	0.0075	0.3404	0.4595	0.0366	0.1582	0.0756	0.3443
113	48.42	-0.04	-0.1716	-0.0021	-0.0000	0.0070	0.3341	0.4676	0.0370	0.1624	0.0751	0.3474
114	48.60	-0.02	-0.1500	-0.0001	-0.0000	0.0001	0.3419	0.4719	0.0365	0.1623	0.0773	0.3440
115	48.75	-0.00	-0.0013	-0.0048	-0.0000	0.0000	0.3356	0.4735	0.0254	0.2039	0.0525	0.3644
116	48.90	-0.01	0.0007	-0.0000	-0.0000	0.0000	1.0010	0.6014	0.0276	0.2244	0.0458	0.3730
117	49.13	-0.01	-0.0012	-0.0049	-0.0000	0.0001	0.4791	0.5768	0.0293	0.2092	0.0509	0.3640
118	49.29	0.02	0.0010	-0.0000	0.0000	0.0000	0.4452	0.5550	0.0328	0.2149	0.0555	0.3642
119	49.46	0.02	0.0044	-0.0015	-0.0000	0.0000	0.3465	0.5741	0.0363	0.2057	0.0632	0.3584
120	49.63	0.02	0.0147	-0.0007	0.0013	-0.0076	0.9450	0.4970	0.0431	0.1650	0.0867	0.3321
121	49.80	0.02	0.0212	0.0000	0.0013	0.0077	0.7217	0.4931	0.0439	0.1610	0.0890	0.3266
122	49.98	0.04	0.0000	0.0000	0.0000	0.0000	0.4333	0.6333	0.0425	0.1305	0.0948	0.3085
123	50.15	0.03	0.0100	0.0012	0.0000	0.0077	0.6061	0.4846	0.0429	0.1305	0.0885	0.3238
124	50.33	0.03	0.0001	0.0000	0.0000	0.0077	0.3775	0.4560	0.0414	0.1411	0.0918	0.3054
125	50.43	0.04	0.0000	0.0000	0.0000	0.0077	0.1535	0.2477	0.0573	0.0416	0.0914	0.3098
126	50.63	0.02	0.0001	0.0001	-0.0001	0.0077	0.0323	0.4515	0.0425	0.1375	0.0941	0.3045
127	50.85	0.04	-0.0001	0.0001	-0.0000	0.0000	0.0000	0.4777	0.0408	0.1508	0.0854	0.3157
128	51.01	0.03	0.0000	0.0000	0.0000	0.0000	0.4540	0.4791	0.0400	0.1509	0.0847	0.3150
129	51.18	0.01	0.0000	0.0000	0.0001	-0.1330	0.3000	0.4780	0.0400	0.1507	0.0838	0.3153
130	51.18	0.03	0.0000	0.0000	-0.0000	1.0000	-1.0007	0.4575	0.0413	0.1410	0.0902	0.3081

PAGE 3 OF 3
 SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

PCINT	TEST PART MACH XXII-E			PMT	CNF3	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	YCPF4
	7	121	1.10	1.7	0.0	0.10	0.31	0.0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CNF3	CH3	LOS	ACPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.61	0.02	0.0052	0.0055	0.0078	0.0099	0.8125	-1.3014	0.0286	-0.5493	-0.0215	0.4221
2	-5.61	0.04	0.0124	0.0055	0.0052	0.0099	0.7419	-1.3039	0.0282	-0.5502	-0.0216	0.4220
3	-5.61	0.05	0.0152	0.0055	0.0102	0.0099	0.6709	-1.3050	0.0280	-0.5511	-0.0214	0.4223
4	-5.60	0.03	0.0055	0.0055	0.0055	0.0099	0.6947	-1.2623	0.0270	-0.5338	-0.0214	0.4229
5	-3.56	0.03	0.0055	0.0055	0.0055	0.0099	0.6368	-1.1914	0.0271	-0.5081	-0.0227	0.4263
6	-1.92	0.04	0.0174	0.0055	0.0141	0.0099	0.6103	-1.1240	0.0254	-0.4809	-0.0225	0.4270
7	-0.21	0.04	0.0192	0.0055	0.0138	0.0099	0.7186	-1.0414	0.0210	-0.4457	-0.0202	0.4280
8	1.55	0.03	0.0152	0.0055	0.0125	0.0099	0.6515	-0.9486	0.0168	-0.4062	-0.0177	0.4282
9	3.41	0.04	0.0205	0.0055	0.0105	0.0099	0.5317	-0.8563	0.0124	-0.3663	-0.0145	0.4275
10	5.13	0.03	0.0255	0.0055	0.0104	0.0099	0.4127	-0.7618	0.0085	-0.3279	-0.0112	0.4364
11	6.58	0.04	0.0242	0.0055	0.0085	0.0099	0.2851	-0.6746	0.0047	-0.2854	-0.0070	0.4290
12	8.77	0.04	0.0335	0.0055	0.0057	0.0099	0.2904	-0.5700	0.0011	-0.2413	-0.0019	0.4233
13	10.63	0.03	0.0355	0.0055	0.0057	0.0099	0.2474	-0.4738	-0.0006	-0.2023	0.0013	0.4270
14	12.51	0.02	0.0345	0.0055	0.0081	0.0099	0.2225	-0.3806	-0.0022	-0.1603	0.0057	0.4126
15	14.41	0.03	0.0427	0.0055	0.0118	0.0099	0.2770	-0.2935	-0.0037	-0.1177	0.0126	0.4008
16	16.40	0.02	0.0342	0.0055	0.0062	0.0099	0.1900	-0.2008	-0.0054	-0.0746	0.0269	0.3713
17	18.36	0.02	0.0377	0.0055	0.0062	0.0099	0.2161	-0.1206	-0.0045	-0.0362	0.0356	0.3012
18	20.33	0.01	0.0347	0.0055	0.0103	0.0099	0.2008	-0.0745	-0.0026	-0.0142	0.0350	0.1642
19	22.32	0.02	0.0352	0.0055	0.0124	0.0099	0.3171	-0.0606	0.0051	-0.0023	-0.0843	0.0380
20	24.34	0.03	0.0442	0.0055	0.0170	0.0099	0.3991	-0.0266	0.0135	0.0047	-0.5245	-0.3660
21	26.32	0.03	0.0401	0.0055	0.0165	0.0099	0.4125	-0.0416	0.0225	0.0074	-0.5422	-0.1783
22	28.34	0.08	0.0463	0.0055	0.0204	0.0099	0.4410	-0.0334	0.0268	0.0057	-0.5009	-0.1065
23	28.38	0.07	0.0440	0.0055	0.0153	0.0099	0.4396	-0.0451	0.0263	0.0102	-0.5822	-0.2267
24	26.66	0.06	0.0470	0.0055	0.0224	0.0099	0.4581	-0.0353	0.0250	0.0153	-0.7244	-0.4347
25	26.95	0.05	0.0435	0.0055	0.0204	0.0099	0.4658	-0.0194	0.0242	0.0209	-1.2625	-1.0773
26	29.30	0.06	0.0500	0.0055	0.0250	0.0099	0.4990	-0.0360	0.0257	0.0150	-0.7131	-0.4178
27	29.60	0.05	0.0455	0.0055	0.0212	0.0099	0.4670	-0.0063	0.0240	0.0282	-3.8885	-4.4603
28	25.85	0.06	0.0423	0.0055	0.0152	0.0099	0.4307	-0.0091	0.0247	0.0283	-2.7033	-3.0989
29	30.15	0.06	0.0445	0.0055	0.0221	0.0099	0.4533	0.0122	0.0234	0.0376	1.4180	3.0902
30	30.40	0.07	0.0511	0.0055	0.0260	0.0099	0.5078	0.0109	0.0241	0.0381	2.2110	3.4862
31	30.75	0.07	0.0544	0.0055	0.0281	0.0099	0.5157	0.0179	0.0245	0.0408	1.3855	2.2737
32	31.02	0.11	0.0612	0.0055	0.0331	0.0099	0.5401	0.0346	0.0266	0.0361	5.7609	7.8261
33	31.31	0.09	0.0460	0.0055	0.0235	0.0099	0.5120	0.0277	0.0256	0.0480	0.9239	1.6630
34	31.50	0.07	0.0440	0.0055	0.0223	0.0099	0.5123	0.0445	0.0252	0.0531	0.5603	1.1830
35	31.80	0.04	0.0423	0.0055	0.0223	0.0099	0.5235	0.0652	0.0235	0.0622	0.3610	0.9535
36	32.14	0.05	0.0460	0.0055	0.0225	0.0099	0.4925	0.0835	0.0227	0.0648	0.2725	0.8367
37	32.41	0.06	0.0481	0.0055	0.0260	0.0099	0.5356	0.0820	0.0240	0.0655	0.2934	0.8484
38	32.68	0.06	0.0374	0.0055	0.0187	0.0099	0.5013	0.0805	0.0242	0.0685	0.3014	0.8518
39	32.95	0.04	0.0415	0.0055	0.0224	0.0099	0.5359	0.0976	0.0227	0.0770	0.2331	0.7885
40	33.21	0.06	0.0464	0.0055	0.0237	0.0099	0.5119	0.1216	0.0205	0.0876	0.1685	0.7195
41	33.57	0.03	0.0460	0.0055	0.0263	0.0099	0.5463	0.1331	0.0195	0.0934	0.1468	0.7018
42	33.72	0.00	0.0325	0.0055	0.0208	0.0099	0.5417	0.1406	0.0191	0.0974	0.1361	0.6928
43	34.00	0.03	0.0462	0.0055	0.0212	0.0099	0.5267	0.1483	0.0185	0.1004	0.1250	0.6770
44	34.24	0.04	0.0430	0.0055	0.0224	0.0099	0.5144	0.1601	0.0182	0.1050	0.1135	0.6558
45	34.48	0.02	0.0356	0.0055	0.0207	0.0099	0.5241	0.1743	0.0171	0.1119	0.0983	0.6423
46	34.75	0.05	0.0509	0.0055	0.0271	0.0099	0.5315	0.1753	0.0174	0.1125	0.0995	0.6421

PAGE 3 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH EXIC-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
7 121 1-10 1-1 C.C 810P31 0-0 0 -30 0 -30 UNKNOWN												
FLIAT	ALPHA	BETA	CONF	CH3	CH3	XCPF3	YCPF3	CAF4	CH4	CAF4	XCPF4	YCPF4
47	35.00	0.04	0.0385	0.9999	0.0210	0.5499	0.5469	0.1850	0.0167	0.1159	0.0905	0.6268
48	35.24	0.04	0.0450	0.9999	0.0241	0.5499	0.5474	0.1845	0.0172	0.1155	0.0934	0.6263
49	35.50	0.05	0.0441	0.9999	0.0237	0.5499	0.5386	0.1922	0.0164	0.1194	0.0855	0.6215
50	35.73	0.05	0.0542	0.9999	0.0294	0.5499	0.5414	0.1909	0.0169	0.1215	0.0866	0.6173
51	35.97	0.04	0.0463	0.9999	0.0251	0.5499	0.5411	0.1969	0.0168	0.1232	0.0846	0.6191
52	36.21	0.03	0.0441	0.9999	0.0231	0.5499	0.5250	0.1978	0.0174	0.1224	0.0848	0.6148
53	36.45	0.02	0.0419	0.9999	0.0208	0.5499	0.5476	0.2020	0.0174	0.1240	0.0863	0.6138
54	36.69	0.04	0.0420	0.9999	0.0237	0.5499	0.5344	0.2096	0.0176	0.1275	0.0841	0.6099
55	36.93	0.04	0.0457	0.9999	0.0257	0.5499	0.5614	0.2143	0.0180	0.1310	0.0842	0.6110
56	37.17	0.03	0.0322	0.9999	0.0108	0.5499	0.5138	0.2120	0.0179	0.1243	0.0846	0.6096
57	37.41	0.01	0.0335	0.9999	0.0182	0.5499	0.5385	0.2220	0.0177	0.1328	0.0799	0.5982
58	37.63	0.04	0.0418	0.9999	0.0224	0.5499	0.5372	0.2241	0.0175	0.1346	0.0783	0.6015
59	37.88	0.05	0.0552	0.9999	0.0338	0.5499	0.5645	0.2446	0.0188	0.1433	0.0688	0.5858
60	38.11	0.04	0.0422	0.9999	0.0125	0.5499	0.5468	0.2292	0.0174	0.1362	0.0761	0.5942
61	38.35	0.02	0.0324	0.9999	0.0217	0.5499	0.5668	0.2406	0.0175	0.1395	0.0729	0.5814
62	38.60	0.03	0.0418	0.9999	0.0215	0.5499	0.5156	0.2438	0.0182	0.1416	0.0748	0.5808
63	38.82	0.01	0.0401	0.9999	0.0227	0.5499	0.5175	0.2460	0.0179	0.1423	0.0723	0.5737
64	39.05	0.02	0.0356	0.9999	0.0206	0.5499	0.5403	0.2617	0.0183	0.1462	0.0701	0.5662
65	39.27	0.02	0.0335	0.9999	0.0180	0.5499	0.5325	0.2635	0.0178	0.1496	0.0677	0.5677
66	39.49	0.01	0.0429	0.9999	0.0227	0.5499	0.5404	0.2699	0.0179	0.1510	0.0665	0.5596
67	39.72	0.01	0.0406	0.9999	0.0223	0.5499	0.5506	0.2694	0.0197	0.1508	0.0733	0.5595
68	39.94	0.00	0.0384	0.9999	0.0212	0.5499	0.5535	0.2763	0.0193	0.1545	0.0700	0.5593
69	40.14	0.01	0.0355	0.9999	0.0218	0.5499	0.5482	0.2845	0.0188	0.1564	0.0682	0.5498
70	40.36	0.01	0.0327	0.9999	0.0190	0.5499	0.5628	0.2866	0.0194	0.1571	0.0678	0.5483
71	40.58	0.01	0.0322	0.9999	0.0202	0.5499	0.5598	0.3012	0.0191	0.1633	0.0635	0.5422
72	40.77	0.01	0.0374	0.9999	0.0196	0.5499	0.5308	0.3020	0.0196	0.1632	0.0657	0.5405
73	40.98	0.03	0.0419	0.9999	0.0213	0.5499	0.5396	0.3129	0.0191	0.1686	0.0612	0.5389
74	41.15	0.01	0.0384	0.9999	0.0217	0.5499	0.5666	0.3147	0.0200	0.1690	0.0637	0.5371
75	41.39	0.02	0.0407	0.9999	0.0228	0.5499	0.5616	0.3201	0.0204	0.1713	0.0635	0.5351
76	41.61	0.00	0.0340	0.9999	0.0182	0.5499	0.5369	0.3223	0.0201	0.1708	0.0625	0.5302
77	41.82	0.00	0.0308	0.9999	0.0157	0.5499	0.5148	0.3187	0.0219	0.1696	0.0689	0.5324
78	42.02	0.00	0.0328	0.9999	0.0175	0.5499	0.5352	0.3292	0.0181	0.1684	0.0505	0.5244
79	42.24	0.01	0.0312	0.9999	0.0184	0.5499	0.5273	0.3353	0.0195	0.1691	0.0535	0.5173
80	42.44	0.01	0.0340	0.9999	0.0180	0.5499	0.5310	0.3334	0.0187	0.1623	0.0502	0.5150
81	42.64	0.02	0.0328	0.9999	0.0175	0.5499	0.5474	0.3363	0.0178	0.1693	0.0462	0.5160
82	42.81	0.00	0.0363	0.9999	0.0182	0.5499	0.5026	0.4135	0.0181	0.2118	0.0390	0.5117
83	43.00	0.00	0.0329	0.9999	0.0168	0.5499	0.5122	0.3742	0.0208	0.1917	0.0557	0.5123
84	43.19	0.01	0.0255	0.9999	0.0145	0.5499	0.4932	0.4082	0.0185	0.2071	0.0454	0.5074
85	43.36	0.00	0.0368	0.9999	0.0191	0.5499	0.5204	0.3626	0.0214	0.1961	0.0561	0.5126
86	43.54	0.01	0.0385	0.9999	0.0204	0.5499	0.5313	0.3635	0.0238	0.1943	0.0622	0.5067
87	43.73	0.00	0.0300	0.9999	0.0171	0.5499	0.5607	0.3627	0.0230	0.1945	0.0602	0.5082
88	43.92	0.01	0.0388	0.9999	0.0204	0.5499	0.5295	0.4443	0.0174	0.2234	0.0352	0.5027
89	44.12	0.01	0.0318	0.9999	0.0158	0.5499	0.4921	0.4064	0.0222	0.2050	0.0547	0.5044
90	44.27	0.01	0.0325	0.9999	0.0177	0.5499	0.5396	0.4274	0.0204	0.2138	0.0478	0.5004
91	44.46	0.00	0.0380	0.9999	0.0205	0.5499	0.5429	0.4235	0.0211	0.2123	0.0459	0.5014
92	44.66	0.00	0.0318	0.9999	0.0172	0.5499	0.5426	0.4241	0.0230	0.2110	0.0543	0.4976

PAGE 3 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF KX10-c			PHI	CCNF	L	CEL1	DEL2	CEL3	CEL4	TRANSITION		
7	121	1.10	1.7	C.C	0.10	C.C	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CH3	CB3	ACPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	44.84	-0.03	0.0308	0.5555	0.0145	0.5555	0.4553	0.4446	0.0209	0.2216	0.0471	0.4579
94	45.04	-0.00	0.0375	0.5555	0.0155	0.5555	0.5521	0.4453	0.0209	0.2224	0.0470	0.4553
95	45.25	-0.01	0.0313	0.5555	0.0160	0.5555	0.5128	0.4232	0.0245	0.2116	0.0587	0.5008
96	45.43	-0.02	0.0251	0.5555	0.0145	0.5555	0.5000	0.4230	0.0251	0.2107	0.0592	0.4982
97	45.62	-0.00	0.0365	0.5555	0.0167	0.5555	0.5137	0.4363	0.0251	0.2164	0.0574	0.4961
98	45.83	-0.01	0.0342	0.5555	0.0176	0.5555	0.5161	0.4720	0.0212	0.2355	0.0450	0.4947
99	45.55	0.01	0.0355	0.5555	0.0195	0.5555	0.5000	0.4575	0.0237	0.2286	0.0515	0.4552
100	46.16	-0.02	0.0343	0.5555	0.0165	0.5555	0.4625	0.4492	0.0197	0.2455	0.0395	0.4518
101	46.34	-0.01	0.0346	0.5555	0.0121	0.5555	0.4535	0.4641	0.0216	0.2389	0.0467	0.4535
102	46.54	-0.02	0.0331	0.5555	0.0171	0.5555	0.4582	0.4671	0.0251	0.2353	0.0475	0.4913
103	46.68	-0.00	0.0377	0.5555	0.0153	0.5555	0.5133	0.4568	0.0217	0.2446	0.0438	0.4923
104	46.87	-0.02	0.0332	0.5555	0.0172	0.5555	0.5146	0.5064	0.0237	0.2492	0.0467	0.4901
105	47.05	-0.03	0.0276	0.5555	0.0115	0.5555	0.4327	0.4691	0.0305	0.2296	0.0645	0.4894
106	47.22	-0.05	0.0267	0.5555	0.0134	0.5555	0.4685	0.4772	0.0314	0.2324	0.0657	0.4870
107	47.39	-0.04	0.0321	0.5555	0.0155	0.5555	0.4344	0.4171	0.0410	0.2024	0.0983	0.4853
108	47.56	-0.04	0.0267	0.5555	0.0134	0.5555	0.4685	0.4628	0.0356	0.2252	0.0773	0.4865
109	47.71	-0.04	0.0322	0.5555	0.0145	0.5555	0.4557	0.4252	0.0391	0.2066	0.0919	0.4860
110	47.90	-0.02	0.0314	0.5555	0.0141	0.5555	0.4563	0.3583	0.0397	0.1901	0.0956	0.4772
111	48.08	-0.04	0.0255	0.5555	0.0126	0.5555	0.4295	0.3685	0.0437	0.1860	0.1052	0.4807
112	48.25	-0.04	0.0228	0.5555	0.0144	0.5555	0.4404	0.3502	0.0405	0.1413	0.1017	0.4604
113	48.42	-0.04	0.0316	0.5555	0.0135	0.5555	0.4413	0.3952	0.0405	0.1683	0.1034	0.4764
114	48.55	-0.02	0.0333	0.5555	0.0156	0.5555	0.4635	0.3954	0.0356	0.1866	0.0951	0.4722
115	48.75	-0.00	0.0360	0.5555	0.0178	0.5555	0.4657	0.4231	0.0385	0.2005	0.0910	0.4745
116	48.96	-0.01	0.0351	0.5555	0.0164	0.5555	0.4716	0.4250	0.0393	0.2016	0.0923	0.4737
117	49.13	-0.01	0.0351	0.5555	0.0164	0.5555	0.4716	0.4250	0.0391	0.2015	0.0916	0.4733
118	49.29	0.02	0.0366	0.5555	0.0177	0.5555	0.4597	0.4150	0.0399	0.1950	0.0961	0.4658
119	49.46	0.02	0.0354	0.5555	0.0226	0.5555	0.4589	0.4070	0.0411	0.1922	0.1009	0.4722
120	49.63	0.02	0.0323	0.5555	0.0137	0.5555	0.4255	0.3713	0.0441	0.1755	0.1188	0.4726
121	49.80	0.02	0.0352	0.5555	0.0156	0.5555	0.4444	0.3753	0.0440	0.1776	0.1172	0.4716
122	49.96	0.04	0.0360	0.5555	0.0174	0.5555	0.4591	0.3706	0.0426	0.1782	0.1125	0.4706
123	50.15	0.03	0.0368	0.5555	0.0172	0.5555	0.4466	0.3764	0.0435	0.1786	0.1145	0.4725
124	50.33	0.03	0.0342	0.5555	0.0175	0.5555	0.4576	0.3665	0.0420	0.1628	0.1086	0.4729
125	50.48	0.04	0.0351	0.5555	0.0165	0.5555	0.4346	0.4008	0.0414	0.1854	0.1032	0.4725
126	50.65	0.02	0.0335	0.5555	0.0143	0.5555	0.4261	0.3521	0.0410	0.1640	0.1061	0.4692
127	50.85	0.04	0.0426	0.5555	0.0203	0.5555	0.4776	0.4134	0.0412	0.1932	0.0956	0.4673
128	51.01	0.03	0.0375	0.5555	0.0164	0.5555	0.4305	0.4006	0.0422	0.1868	0.1053	0.4662
129	51.18	0.01	0.0324	0.5555	0.0133	0.5555	0.4055	0.3335	0.0430	0.1762	0.1121	0.4656
130	51.18	0.03	0.0357	0.5555	0.0154	0.5555	0.4326	0.3576	0.0408	0.1864	0.1026	0.4688

PAGE 1 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAACP RXIC-E			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	122	U.EC	1.7	C.C	BLINDF34	C.C	U	-30	U	-30	UNKNOWN
PCINT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
1	-5.80	-0.00	-3.310E	12.610E	-0.0362	-0.0033	-0.0157	2.1793	0.5147	1.6647	-3.8091
2	-5.79	-0.00	-3.2961	12.563E	-0.0003	-0.143E	0.0059	2.1847	0.5203	1.6645	-3.8115
3	-5.80	-0.00	-3.2958	12.5627	-0.0171	-0.1648	0.0059	2.1796	0.5199	1.6558	-3.8117
4	-5.80	0.00	-3.1578	12.4654	0.0596	-0.3878	0.0209	2.1932	0.5188	1.6745	-3.8982
5	-3.84	0.00	-3.0103	12.0400	0.0613	-0.3650	0.0212	2.1268	0.5100	1.6188	-3.5957
6	-2.21	0.00	-2.0004	11.0077	0.0740	-0.4103	0.0361	2.0078	0.4867	1.5491	-4.1490
7	-0.51	-0.00	-2.7715	12.0281	-0.0413	-0.0689	0.0140	2.0643	0.4491	1.6148	-4.3385
8	1.18	-0.00	-2.1375	12.2950	-0.0140	-0.1175	0.0151	2.0107	0.3732	1.6375	-4.4913
9	2.50	-0.00	-2.6047	12.0551	-0.0170	-0.1650	0.0226	1.9251	0.3215	1.6036	-4.6356
10	4.55	-0.00	-2.3246	11.4132	0.0130	-0.1587	0.0230	1.8342	0.2951	1.5392	-4.9106
11	6.33	-0.00	-2.0756	10.5455	-0.0353	-0.0099	0.0317	1.7598	0.2623	1.4775	-5.2731
12	8.05	-0.00	-1.8859	10.0753	0.0044	-0.0578	0.0395	1.7185	0.2834	1.4330	-5.6628
13	9.71	-0.00	-1.8855	11.2571	-0.0410	-0.0684	0.0330	1.7200	0.2787	1.4412	-5.5704
14	11.40	-0.00	-1.7759	11.3445	-0.0203	-0.1032	0.0109	1.6846	0.2671	1.4174	-6.3963
15	13.10	-0.00	-1.4352	10.7217	-0.0162	-0.1507	0.0107	1.5771	0.2532	1.3239	-7.4703
16	14.93	-0.01	-1.0026	9.7405	-0.0445	-0.1204	0.0191	1.4320	0.2458	1.1862	-9.4957
17	16.74	-0.02	-0.5456	8.5127	-0.0527	-0.1700	0.0338	1.2594	0.2374	1.0220	-15.5572
18	18.50	-0.01	0.0057	6.7226	-0.0157	-0.1908	0.1129	1.0203	0.2291	0.7992	78.4028
19	20.36	-0.02	0.8157	4.5505	-0.0741	-0.1587	0.2127	0.7612	0.2241	0.5371	5.5750
20	22.22	-0.03	1.5110	2.7544	-0.2230	0.0070	0.3467	0.5367	0.2273	0.3054	1.8513
21	24.07	-0.02	2.0634	1.4202	-0.2212	0.1231	0.2638	0.3452	0.2264	0.1188	0.6883
22	25.91	-0.01	2.5350	0.7004	-0.0010	-0.0353	0.1866	0.2306	0.2287	0.0019	0.2736
23	27.76	0.02	3.0726	0.0100	0.5443	-1.2342	-0.0321	0.0536	0.2310	-0.1374	0.0035
24	27.80	0.01	3.0355	0.1176	0.2500	-0.8009	0.0866	0.1005	0.2319	-0.1315	0.0387
25	27.80	0.01	3.0371	0.0840	0.3580	-0.9365	0.0890	0.1003	0.2311	-0.1309	0.0279
26	27.81	0.01	3.0565	0.0443	0.3507	-1.0742	0.0320	0.1043	0.2319	-0.1277	0.0309
27	27.80	0.01	3.0157	0.1416	0.2817	-0.8302	0.0817	0.1081	0.2315	-0.1235	0.0670
28	27.89	0.01	3.1008	0.0411	0.3184	-0.9640	0.0006	0.1022	0.2324	-0.1303	0.0135
29	28.28	0.02	3.1578	-0.0045	0.4447	-1.1335	0.0826	0.0625	0.2319	-0.1694	-0.0265
30	28.50	0.02	3.3081	-0.2004	0.4210	-1.0375	0.1115	0.0307	0.2333	-0.2026	-0.0878
31	28.66	0.02	3.4458	-0.3765	0.5851	-1.4122	0.1126	0.0071	0.2362	-0.2291	-0.1053
32	29.10	0.02	3.5709	-0.5764	0.6065	-1.5035	0.1418	-0.0345	0.2343	-0.2688	-0.1620
33	29.47	0.03	3.6228	-0.6506	0.7302	-1.6532	0.1206	-0.0567	0.2381	-0.2929	-0.1756
34	29.75	0.03	3.7447	-0.9015	0.7774	-1.8626	0.1354	-0.0643	0.2378	-0.3242	-0.2408
35	30.00	0.03	3.8552	-1.0920	0.9071	-2.4248	0.1364	-0.1134	0.2408	-0.3542	-0.2833
36	30.20	0.05	3.9424	-1.3740	0.9443	-2.2492	0.2002	-0.1557	0.2375	-0.3432	-0.3444
37	30.57	0.05	4.1085	-1.5342	1.0087	-2.6164	0.2377	-0.1815	0.2408	-0.4223	-0.3736
38	30.84	0.04	4.2106	-1.7570	0.7730	-1.7504	0.3732	-0.2213	0.2400	-0.4021	-0.4263
39	31.10	0.05	4.2565	-2.0012	0.7506	-1.7372	0.4380	-0.2468	0.2380	-0.4849	-0.4857
40	31.30	0.04	4.4531	-2.3954	0.7532	-1.8144	0.4379	-0.2400	0.2413	-0.5393	-0.5388
41	31.64	0.03	4.5285	-2.6640	0.8618	-1.3626	0.4008	-0.3402	0.2399	-0.5801	-0.5883
42	31.93	0.04	4.6550	-2.8808	0.8566	-1.8732	0.4523	-0.3514	0.2410	-0.5432	-0.5716
43	32.18	0.04	4.7971	-2.8518	0.8819	-1.9314	0.4304	-0.3378	0.2367	-0.6283	-0.6026
44	32.45	0.07	4.9003	-3.1330	1.2484	-2.6031	0.4620	-0.4280	0.2413	-0.6659	-0.6412
45	32.70	0.06	5.0664	-3.2048	1.0141	-2.3468	0.4024	-0.4569	0.2358	-0.6928	-0.6322
46	32.90	0.07	5.1753	-3.1955	1.1553	-2.4478	0.4101	-0.4685	0.2367	-0.7053	-0.6183

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RX10-6											
7 122 0.20 1.7 C.C. 810034 0.0 U -30 U -30 UNKNOWN											
PCINT	ALPHA	BETA	CX	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	33.21	0.06	5.3055	-3.4216	1.1801	-2.6683	0.3534	-0.5185	0.2339	-0.7522	-0.6444
48	33.40	0.01	5.4788	-3.4055	1.3561	-2.8615	0.4254	-0.5344	0.2340	-0.7784	-0.6333
49	33.72	0.05	5.6049	-3.6551	1.4687	-2.8503	0.4763	-0.5570	0.2445	-0.8015	-0.6521
50	33.97	0.08	5.7590	-3.8473	1.4831	-2.7220	0.5265	-0.5478	0.2514	-0.8497	-0.6767
51	34.21	0.08	5.8874	-4.0050	1.4804	-2.7165	0.5117	-0.6168	0.2608	-0.8745	-0.6905
52	34.43	0.09	5.9883	-4.1431	1.5711	-2.8283	0.5265	-0.6302	0.2626	-0.8929	-0.6919
53	34.71	0.09	6.1652	-4.2035	1.6797	-2.9423	0.5557	-0.6458	0.2708	-0.9165	-0.6916
54	34.93	0.10	6.2641	-4.3735	1.7563	-3.2350	0.5198	-0.6738	0.2685	-0.9423	-0.6981
55	35.16	0.09	6.3465	-4.6385	1.7141	-3.6897	0.4346	-0.7172	0.2667	-0.9639	-0.7337
56	35.43	0.09	6.4743	-4.8005	1.7854	-3.9810	0.4425	-0.7324	0.2807	-0.9931	-0.7425
57	35.66	0.09	6.5460	-4.9808	1.8838	-4.3575	0.3716	-0.7670	0.2806	-1.0276	-0.7608
58	35.88	0.09	6.7065	-5.2027	1.7542	-4.2485	0.4005	-0.8048	0.2806	-1.0707	-0.7741
59	36.13	0.10	6.7854	-5.2898	1.8885	-4.3195	0.4079	-0.8053	0.2718	-1.0772	-0.7751
60	36.37	0.09	6.9170	-5.4240	1.7888	-3.7480	0.4575	-0.8182	0.2713	-1.0936	-0.7842
61	36.59	0.09	7.0180	-5.5573	1.7142	-3.2582	0.5356	-0.8250	0.2856	-1.1107	-0.7919
62	36.85	0.10	7.0321	-5.8101	1.7128	-3.1017	0.5288	-0.8305	0.2879	-1.1445	-0.8034
63	37.08	0.10	7.3180	-5.6550	1.7051	-2.9380	0.5502	-0.8652	0.2901	-1.1554	-0.8006
64	37.29	0.10	7.4980	-5.4837	1.6145	-2.1735	0.6352	-0.8931	0.2945	-1.1586	-0.7980
65	37.55	0.09	7.6247	-6.1652	1.4800	-1.6881	0.6581	-0.8738	0.3069	-1.1808	-0.8051
66	37.77	0.09	7.6335	-6.2036	1.4512	-1.5113	0.6700	-0.8882	0.3105	-1.1766	-0.8205
67	38.01	0.09	7.6080	-6.3545	1.7523	-1.4952	0.6502	-0.8970	0.3124	-1.2053	-0.8192
68	38.25	0.07	7.9805	-6.5302	1.2037	-1.1040	0.6840	-0.9128	0.3184	-1.2311	-0.8183
69	38.47	0.08	8.0510	-6.6533	1.2111	-0.8535	0.7042	-0.9147	0.3234	-1.2380	-0.8314
70	38.67	0.08	8.1921	-6.9072	1.1813	-0.7008	0.6918	-0.9483	0.3255	-1.2738	-0.8432
71	38.90	0.08	8.2755	-6.9763	1.2078	-0.4713	0.7125	-0.9412	0.3259	-1.2671	-0.8426
72	39.11	0.07	8.3053	-6.9412	1.1888	-0.6872	0.6994	-0.9527	0.3264	-1.2746	-0.8333
73	39.31	0.06	8.2148	-6.5215	1.1808	-1.2580	0.6015	-0.9776	0.3190	-1.2966	-0.7939
74	39.53	0.07	8.3005	-6.5520	1.3123	-1.5350	0.6022	-0.9556	0.3186	-1.3142	-0.7893
75	39.74	0.07	8.4052	-6.4877	1.4321	-1.6261	0.5812	-0.9967	0.3225	-1.3172	-0.7719
76	39.92	0.07	8.3551	-6.4151	1.3122	-1.4431	0.5324	-0.9498	0.3225	-1.3173	-0.7714
77	40.13	0.08	8.5435	-6.6624	1.5322	-1.5326	0.5472	-1.0054	0.3266	-1.3320	-0.7798
78	40.34	0.09	8.6684	-6.7739	1.5685	-1.4657	0.5474	-1.0209	0.3280	-1.3489	-0.7756
79	40.55	0.08	8.6046	-6.6750	1.4314	-1.3593	0.5325	-0.9955	0.3297	-1.3256	-0.7651
80	40.75	0.09	8.6247	-6.9555	1.5601	-1.1721	0.5886	-0.9775	0.3413	-1.3406	-0.7677
81	40.97	0.09	9.0755	-7.2538	1.6134	-1.1148	0.6032	-1.0098	0.3477	-1.3575	-0.7952
82	41.17	0.08	8.9724	-6.7437	1.4531	-1.0675	0.5325	-0.9788	0.3467	-1.3235	-0.7555
83	41.36	0.10	9.0443	-6.9757	1.6337	-0.9513	0.5532	-0.9434	0.3583	-1.3017	-0.7713
84	41.58	0.09	9.2207	-7.0287	1.5745	-1.0253	0.5837	-0.9547	0.3734	-1.3281	-0.7618
85	41.77	0.10	9.3546	-7.2711	1.6646	-1.0601	0.6287	-0.9998	0.3687	-1.3685	-0.7773
86	41.94	0.10	9.3479	-6.9450	1.7186	-1.2073	0.5583	-0.9318	0.3771	-1.3689	-0.7430
87	42.13	0.11	9.5075	-7.0318	1.7550	-1.3608	0.5267	-0.9212	0.3671	-1.3083	-0.7396
88	42.31	0.11	9.5140	-7.1010	1.9207	-1.6532	0.5081	-0.9398	0.3662	-1.3260	-0.7465
89	42.50	0.12	9.7115	-7.2215	1.9245	-1.4515	0.5233	-0.9038	0.3986	-1.3024	-0.7436
90	42.67	0.12	9.7022	-7.3052	1.9468	-1.3270	0.5372	-0.9169	0.4018	-1.3187	-0.7545
91	42.86	0.12	9.9050	-7.5471	1.9477	-1.5022	0.5955	-0.9702	0.4023	-1.3725	-0.7619
92	43.05	0.11	9.9370	-7.4510	1.9580	-1.6678	0.5178	-0.9061	0.4092	-1.3153	-0.7438

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	WACH	WZIC-6	PMT	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	1x2	0.20	1.7	C.C	B100F34	C.G	0	-30	0	-30	UNKNOWN	
FCINT	ALPHA	BETA	CN	CLM	CY	CLX	CLL	CA	CAB	CAF	XCP	
93	43.23	0.12	10.0225	-7.4555	2.0897	-1.7088	0.4964	-0.9300	0.4167	-1.3467	-0.7439	
94	43.40	0.12	10.1104	-7.5242	2.0746	-1.6627	0.5254	-0.9153	0.4140	-1.3301	-0.7442	
95	43.59	0.12	10.2446	-7.9477	2.0762	-1.6881	0.6184	-0.9750	0.4157	-1.3907	-0.7758	
96	43.76	0.13	10.4054	-8.3223	2.2305	-1.5059	0.6094	-1.0399	0.4180	-1.4580	-0.7949	
97	43.94	0.12	10.2713	-7.8411	2.0886	-1.8742	0.5142	-0.9375	0.4285	-1.3660	-0.7439	
98	44.14	0.13	10.4051	-7.9111	2.1201	-1.8792	0.5361	-0.9492	0.4247	-1.3739	-0.7578	
99	44.32	0.14	10.6555	-8.4237	2.2667	-2.0220	0.6056	-1.0586	0.4207	-1.4794	-0.7905	
100	44.50	0.13	10.5000	-8.0176	2.1710	-2.0430	0.5371	-0.9505	0.4262	-1.3827	-0.7577	
101	44.68	0.13	10.7007	-8.1685	2.1065	-1.8411	0.5367	-0.9804	0.4345	-1.4149	-0.7628	
102	44.86	0.15	11.0225	-9.0151	2.2641	-1.4827	0.6714	-1.1075	0.4263	-1.5338	-0.8176	
103	45.05	0.13	10.5008	-8.5784	2.1362	-1.4525	0.6562	-1.0881	0.4203	-1.5084	-0.7865	
104	45.23	0.13	11.0004	-8.5466	2.2433	-1.7672	0.6290	-1.0603	0.4204	-1.5067	-0.7764	
105	45.40	0.12	11.0041	-8.8842	2.0335	-1.4181	0.6569	-1.1056	0.4255	-1.5311	-0.7828	
106	45.58	0.13	11.3300	-9.1500	2.2341	-1.6890	0.6723	-1.1410	0.4380	-1.5798	-0.8079	
107	45.76	0.12	11.4541	-9.3322	2.0613	-1.3725	0.6574	-1.1444	0.4516	-1.5962	-0.8120	
108	45.93	0.12	11.4345	-9.1048	2.0005	-1.5461	0.6436	-1.1304	0.4463	-1.5827	-0.7962	
109	46.10	0.13	11.5407	-9.2172	2.1681	-1.3520	0.6709	-1.1326	0.4581	-1.5887	-0.7977	
110	46.28	0.12	11.4073	-8.9057	2.0217	-1.5002	0.6434	-1.1324	0.4454	-1.5800	-0.7756	
111	46.45	0.11	11.5272	-8.5157	1.9504	-1.4605	0.6147	-1.1311	0.4528	-1.5839	-0.7738	
112	46.61	0.11	11.5315	-8.6575	1.9598	-1.5030	0.6700	-1.0976	0.4511	-1.5487	-0.7542	
113	46.79	0.12	11.6540	-8.8940	1.9732	-1.2333	0.6347	-1.1230	0.4557	-1.5787	-0.7632	
114	46.97	0.12	11.7421	-8.9952	1.9030	-1.1350	0.6501	-1.1195	0.4548	-1.5743	-0.7618	
115	47.14	0.10	11.7140	-8.7127	1.7587	-1.0196	0.6407	-1.1109	0.4558	-1.5667	-0.7438	
116	47.30	0.10	11.6051	-8.2171	1.7572	-0.9405	0.5907	-1.1338	0.4511	-1.5849	-0.7466	
117	47.48	0.10	11.6254	-8.7254	1.6885	-0.8141	0.6263	-1.1262	0.4572	-1.5834	-0.7379	
118	47.66	0.07	11.6074	-8.0336	1.9463	-0.9667	0.5819	-1.1028	0.4457	-1.6085	-0.7275	
119	47.82	0.06	11.6625	-8.5924	1.3435	-0.3676	0.5617	-1.1569	0.4443	-1.6012	-0.7231	
120	47.99	0.05	11.8159	-8.4025	0.8621	0.6739	0.4063	-1.1917	0.4273	-1.6190	-0.7162	
121	48.14	0.02	11.7010	-8.0013	0.4034	1.7547	0.2111	-1.3285	0.3819	-1.7104	-0.6838	
122	48.31	0.00	11.6444	-7.6906	-0.0260	2.7077	0.0443	-1.3030	0.3797	-1.6627	-0.6603	
123	48.45	-0.01	11.6829	-7.6588	-0.1810	3.2517	-0.0639	-1.3033	0.3618	-1.6651	-0.6587	
124	48.65	-0.01	11.6011	-7.6004	-0.2299	2.8998	-0.0478	-1.3361	0.3735	-1.7100	-0.6540	
125	48.83	-0.01	11.8783	-8.0372	-0.2284	3.5215	-0.0924	-1.3169	0.3890	-1.7059	-0.6765	
126	49.00	-0.01	11.6007	-7.8652	-0.1400	3.3000	-0.1273	-1.3310	0.3725	-1.7035	-0.6645	
127	49.21	0.02	12.2244	-8.4860	0.0713	3.0185	0.1298	-1.2878	0.4183	-1.7061	-0.8942	
128	49.37	0.01	12.0004	-8.1176	0.0173	3.3146	-0.0467	-1.3305	0.3845	-1.7150	-0.6711	
129	49.53	0.01	12.2504	-8.5014	0.0562	3.2285	0.0980	-1.2731	0.4158	-1.6889	-0.8940	
130	49.73	0.02	12.3030	-8.5514	0.1004	3.1773	0.0160	-1.2705	0.4200	-1.7025	-0.6916	
131	49.91	0.02	12.5198	-8.7242	0.1154	3.1755	0.0467	-1.2854	0.4471	-1.7125	-0.8968	
132	50.07	0.02	12.5005	-8.5801	0.1157	3.1704	-0.0044	-1.1924	0.4612	-1.6537	-0.6843	
133	50.24	0.01	12.5948	-8.7384	0.0047	3.3515	-0.0334	-1.2595	0.4471	-1.7007	-0.6938	
134	50.42	0.04	12.0406	-9.1024	0.5102	2.5732	0.0006	-1.2472	0.4571	-1.7044	-0.7132	
135	50.59	0.03	12.7001	-8.6307	0.3159	2.9815	0.0391	-1.2207	0.4705	-1.6913	-0.8911	
136	50.74	0.03	12.7406	-8.6386	0.2472	3.1098	0.0243	-1.2399	0.4606	-1.7008	-0.7014	
137	50.92	0.06	13.0005	-9.3530	0.7524	1.6416	0.2786	-1.2363	0.4718	-1.7082	-0.7154	
138	51.11	0.05	13.1727	-9.4067	1.2381	0.9004	0.4166	-1.2352	0.4750	-1.7109	-0.7141	

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO=6			PHI	CORF	L	CEL1	DEL2	CEL3	CEL4	TRANSITION	
1 122 0.80 1.7			0.0	3140F34	C.C	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CN	CLM	CV	CLA	CLL	CA	CAH	CAF	XCP
139	51.28	0.09	13.3128	-5.5844	1.2150	1.3424	0.3939	-1.2457	0.4955	-1.7412	-0.7199
140	51.43	0.09	13.3440	-5.8213	1.3278	0.7053	0.4330	-1.2552	0.4835	-1.7387	-0.7210
141	51.61	0.09	13.4257	-5.7103	1.2500	1.3715	0.3689	-1.2402	0.5061	-1.7463	-0.7237
142	51.78	0.09	13.4744	-5.5012	1.2280	1.5210	0.3021	-1.2593	0.4409	-1.7582	-0.7274
143	51.96	0.12	13.6532	-10.0020	1.4766	1.8500	0.2874	-1.2721	0.5165	-1.7865	-0.7343
144	52.12	0.12	13.8252	-10.2122	1.4778	2.7740	0.2120	-1.2733	0.5341	-1.8073	-0.7387
145	52.27	0.08	13.8918	-10.1161	1.1503	2.2763	0.2078	-1.3012	0.5240	-1.8251	-0.7385
146	52.45	0.08	13.7827	-9.9931	1.0156	3.2444	0.2058	-1.2322	0.5522	-1.7844	-0.7252
147	52.62	0.09	13.6873	-10.0571	1.1130	3.5642	0.1472	-1.2119	0.5634	-1.7753	-0.7252
148	52.78	0.06	14.0074	-10.9217	0.5354	3.5337	0.0742	-1.2053	0.5654	-1.8507	-0.7393
149	52.95	0.09	14.1210	-10.9387	1.0067	4.4654	0.0635	-1.2395	0.5959	-1.8354	-0.7392
150	53.14	0.09	14.4560	-10.8724	0.5565	4.5453	-0.0649	-1.2294	0.6101	-1.8396	-0.7383
151	53.30	0.09	14.9215	-10.8817	1.0326	4.3110	-0.0425	-1.2583	0.5987	-1.8571	-0.7353
152	53.47	0.08	14.7058	-10.7389	1.0743	4.0607	-0.0771	-1.2334	0.6173	-1.8508	-0.7301
153	53.62	0.09	14.8928	-10.5551	1.2572	3.5845	-0.0903	-1.2239	0.6229	-1.8469	-0.7212
154	53.79	0.10	14.8015	-10.8516	1.2117	3.8569	-0.0750	-1.2118	0.6391	-1.8510	-0.7216
155	53.95	0.10	14.8530	-10.5388	1.4030	2.5134	0.0301	-1.1683	0.6190	-1.7879	-0.6567
156	54.13	0.09	15.0014	-10.9119	1.2333	3.2067	-0.0730	-1.2041	0.6000	-1.8047	-0.7245
157	54.28	0.09	15.0288	-10.8704	1.2634	3.2345	-0.0305	-1.1582	0.6174	-1.7756	-0.7101
158	54.43	0.09	15.0822	-10.7100	1.2915	3.2222	-0.0600	-1.1795	0.6060	-1.7801	-0.7101
159	54.60	0.09	15.2454	-10.9302	1.1810	3.6556	0.0384	-1.2137	0.6085	-1.8222	-0.7169
160	54.75	0.08	15.1284	-10.8486	1.1674	3.1941	0.0506	-1.1793	0.6108	-1.7901	-0.7171
161	54.92	0.08	15.4333	-11.0514	1.1754	3.5315	-0.0281	-1.1835	0.6108	-1.7943	-0.7161
162	55.00	0.09	15.2524	-10.8150	1.1581	3.3535	-0.0434	-1.1563	0.6161	-1.7724	-0.7053
163	55.20	0.08	15.2067	-10.9015	1.1438	3.2518	-0.0727	-1.1519	0.6252	-1.7811	-0.7169
164	55.38	0.08	15.3528	-11.0910	1.1548	3.4100	-0.0510	-1.2017	0.6234	-1.8251	-0.7232
165	55.56	0.10	15.6369	-11.5020	1.3620	3.5109	-0.0435	-1.1937	0.6306	-1.8243	-0.7267
166	55.69	0.08	15.3219	-10.8702	1.1751	3.2694	-0.1091	-1.1804	0.6244	-1.8128	-0.7098
167	55.86	0.09	15.6380	-11.1751	1.3023	3.2858	-0.0589	-1.2001	0.6340	-1.8341	-0.7148
168	56.05	0.09	15.8501	-11.4914	1.2173	3.4342	-0.0262	-1.2255	0.6411	-1.8607	-0.7247
169	56.22	0.09	15.8855	-11.4805	1.2295	3.7150	-0.0270	-1.2280	0.6246	-1.8527	-0.7227
170	56.37	0.08	15.5153	-11.4251	1.2688	3.2470	-0.0331	-1.2350	0.6318	-1.8675	-0.7181
171	56.52	0.09	15.6177	-11.1581	1.2792	3.4845	0.0180	-1.1951	0.6389	-1.8340	-0.7054
172	56.67	0.07	15.8052	-11.4476	1.1676	3.4627	-0.0260	-1.2258	0.6420	-1.8687	-0.7241
173	56.83	0.09	16.0028	-11.5560	1.3213	3.0658	-0.0317	-1.2454	0.6533	-1.8588	-0.7246
174	56.97	0.08	15.9024	-11.2834	0.5515	3.1512	-0.0458	-1.2017	0.6437	-1.8455	-0.7083
175	57.12	0.08	16.0017	-11.4865	1.1110	3.2239	-0.0243	-1.2120	0.6599	-1.8720	-0.7166
176	57.26	0.05	16.0042	-11.8254	0.5557	2.8080	0.0137	-1.2701	0.6557	-1.9258	-0.7264
177	57.41	0.07	16.1278	-11.5878	1.1535	3.1430	0.0202	-1.2411	0.6609	-1.9220	-0.7247
178	57.55	0.08	15.5112	-11.4073	1.1156	2.3152	-0.0302	-1.2110	0.6787	-1.8897	-0.7169
179	57.71	0.06	16.1207	-11.6273	1.1044	2.8573	0.0288	-1.2462	0.6808	-1.9270	-0.7213
180	57.87	0.06	16.1443	-11.8405	1.1162	2.4825	0.0158	-1.2295	0.6958	-1.9257	-0.7211
181	57.99	0.08	16.1004	-11.5402	1.1623	2.8225	0.0434	-1.2482	0.6932	-1.9414	-0.7168
182	57.99	0.04	16.1417	-11.8282	0.5700	2.7350	0.0508	-1.2379	0.6938	-1.9317	-0.7203

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH		XATC-6		PHI		CGRF		C		DEL1		DEL2		DEL3		DEL4		TRANSITION	
1		122 G.00 1.7		U.C 010CF34		C.C		0		-30		0		-30		UNKNOWN			
PCINT	ALPHA	BETA	CNF1	CH1	COL	ALPF1	YCPF1	CNF2	CH2	COL	XCPF2	YCPF2							
1	-5.80	-0.00	0.0184	0.0041	0.0104	0.2203	0.5637	-0.7949	-0.0230	-0.3718	0.0289	0.4677							
2	-5.79	-0.00	0.0221	0.0038	0.0107	0.1517	0.5325	-0.8050	-0.0218	-0.3771	0.0271	0.4684							
3	-5.80	-0.00	0.0221	0.0038	0.0119	0.1643	0.5387	-0.8093	-0.0221	-0.3784	0.0274	0.4676							
4	-5.80	0.00	0.0294	0.0044	0.0147	0.1484	0.5006	-0.8028	-0.0216	-0.3769	0.0269	0.4693							
5	-3.64	0.00	0.0203	0.0038	0.0103	0.1697	0.5305	-0.7536	-0.0243	-0.3555	0.0323	0.4717							
6	-2.61	0.00	0.0294	0.0044	0.0145	0.1484	0.5077	-0.7643	-0.0220	-0.3626	0.0268	0.4744							
7	-0.51	-0.00	0.0203	0.0035	0.0102	0.1744	0.5014	-0.7505	-0.0230	-0.3564	0.0306	0.4745							
8	1.18	-0.00	0.0244	0.0040	0.0115	0.1617	0.4882	-0.7557	-0.0251	-0.3591	0.0332	0.4753							
9	2.96	-0.00	0.0262	0.0042	0.0118	0.1587	0.4434	-0.7467	-0.0298	-0.3546	0.0400	0.4748							
10	4.59	-0.00	0.0241	0.0041	0.0108	0.1681	0.4473	-0.7030	-0.0323	-0.3346	0.0460	0.4756							
11	6.33	-0.00	0.0191	0.0040	0.0095	0.2085	0.4489	-0.6531	-0.0332	-0.3140	0.0508	0.4608							
12	8.05	-0.00	0.0143	0.0042	0.0094	0.2699	0.6808	-0.6384	-0.0340	-0.3041	0.0533	0.4763							
13	9.71	-0.00	0.0101	0.0042	0.0086	0.4124	0.6537	-0.6702	-0.0384	-0.3168	0.0572	0.4727							
14	11.40	-0.00	0.0147	0.0048	0.0107	0.3262	0.7286	-0.6615	-0.0462	-0.3144	0.0698	0.4753							
15	13.16	-0.00	0.0150	0.0045	0.0117	0.3264	0.7829	-0.6190	-0.0460	-0.2989	0.0742	0.4825							
16	14.93	-0.01	0.0140	0.0045	0.0108	0.3165	0.7686	-0.5517	-0.0498	-0.2749	0.0903	0.4983							
17	16.74	-0.02	0.0091	0.0077	0.0210	0.1917	0.5221	-0.4716	-0.0457	-0.2423	0.1054	0.5138							
18	18.56	-0.01	0.0082	0.0085	0.0305	0.1536	0.5305	-0.3601	-0.0445	-0.1896	0.1236	0.5267							
19	20.38	-0.02	0.0082	0.0104	0.0405	0.1206	0.5392	-0.2306	-0.0341	-0.1247	0.1475	0.5407							
20	22.22	-0.03	0.0079	0.0131	0.0715	0.1024	0.5504	-0.1345	-0.0232	-0.0721	0.1777	0.5525							
21	24.07	-0.02	0.0053	0.0084	0.0634	0.0771	0.5800	-0.0199	-0.0056	-0.0185	0.2827	0.5507							
22	25.91	-0.01	0.0068	0.0082	0.0441	0.0772	0.6074	0.0368	0.0193	0.0051	0.4587	0.2354							
23	27.76	0.02	0.0082	0.0158	0.0152	0.2242	0.1765	0.1324	0.0415	0.0533	0.3134	0.4029							
24	27.80	0.01	0.0058	0.0138	0.0421	0.1447	0.4408	0.1111	0.0391	0.0435	0.3517	0.3511							
25	27.80	0.01	0.0045	0.0173	0.0321	0.1826	0.3392	0.1233	0.0403	0.0494	0.3271	0.4004							
26	27.81	0.01	0.0030	0.0182	0.0277	0.1557	0.2380	0.1247	0.0411	0.0498	0.3294	0.3954							
27	27.80	0.01	0.0024	0.0167	0.0322	0.1811	0.3479	0.1204	0.0402	0.0485	0.3342	0.4058							
28	27.89	0.01	0.0023	0.0150	0.0316	0.1880	0.3093	0.1243	0.0415	0.0542	0.3207	0.4187							
29	28.28	0.02	0.0126	0.0200	0.0385	0.1773	0.3418	0.1424	0.0450	0.0608	0.3161	0.4253							
30	28.58	0.02	0.0126	0.0166	0.0552	0.1385	0.4337	0.1507	0.0478	0.0649	0.3175	0.4310							
31	28.88	0.02	0.0124	0.0215	0.0577	0.1511	0.4045	0.1617	0.0454	0.0720	0.3055	0.4453							
32	29.18	0.03	0.0094	0.0272	0.0645	0.1606	0.3747	0.1833	0.0537	0.0827	0.2527	0.4510							
33	29.47	0.03	0.0122	0.0251	0.0677	0.1455	0.3954	0.1926	0.0555	0.0888	0.2502	0.4607							
34	29.75	0.03	0.0106	0.0287	0.0664	0.1494	0.3435	0.2090	0.0586	0.0974	0.2806	0.4661							
35	30.00	0.05	0.0245	0.0378	0.0758	0.1686	0.3385	0.2389	0.0621	0.1118	0.2621	0.4721							
36	30.26	0.05	0.0215	0.0328	0.0808	0.1407	0.3956	0.2390	0.0630	0.1150	0.2636	0.4813							
37	30.57	0.05	0.0254	0.0444	0.1070	0.1358	0.3747	0.2602	0.0690	0.1269	0.2497	0.4875							
38	30.84	0.04	0.0275	0.0340	0.1244	0.1300	0.4642	0.2539	0.0657	0.1243	0.2588	0.4855							
39	31.10	0.04	0.0441	0.0371	0.1351	0.1262	0.4725	0.2623	0.0688	0.1296	0.2545	0.4935							
40	31.38	0.04	0.0282	0.0341	0.1424	0.1183	0.4442	0.2763	0.0682	0.1373	0.2469	0.4972							
41	31.64	0.03	0.0255	0.0284	0.1300	0.1107	0.5302	0.2902	0.0695	0.1461	0.2353	0.5033							
42	31.93	0.04	0.0124	0.0358	0.1534	0.1145	0.4911	0.3005	0.0700	0.1522	0.2325	0.5065							
43	32.18	0.04	0.0155	0.0352	0.1600	0.1102	0.5000	0.3170	0.0707	0.1614	0.2230	0.5092							
44	32.45	0.07	0.0338	0.0415	0.1708	0.1152	0.4698	0.3449	0.0722	0.1778	0.2092	0.5156							
45	32.70	0.06	0.0335	0.0380	0.1580	0.1138	0.4737	0.3545	0.0726	0.1833	0.2047	0.5170							
46	32.96	0.07	0.0114	0.0364	0.1462	0.1107	0.4686	0.3660	0.0733	0.1905	0.2003	0.5204							

PAGE 2 OF 3
SHEET 2 OF 4

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART MAGP-RX10-6			PHI CNF1		L		DEL1 DEL2		DEL3 DEL4		TRANSITION	
1 122 0.83 1.7			C.C. 6100F34 C.C.		U		U -30		U -30		UNKNOWN	
FCINT	ALPHA	BETA	CNF1	CH1	Col	ACPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	33.21	0.06	0.3285	0.0357	0.1408	0.1216	0.4310	0.4026	0.0743	0.2106	0.1847	0.5231
48	33.48	0.07	0.3626	0.0431	0.1645	0.1169	0.4535	0.4091	0.0750	0.2150	0.1832	0.5256
49	33.72	0.09	0.3561	0.0413	0.1715	0.1159	0.4827	0.4127	0.0756	0.2167	0.1837	0.5251
50	33.97	0.08	0.3666	0.0422	0.1757	0.1151	0.4793	0.4230	0.0760	0.2226	0.1806	0.5256
51	34.21	0.08	0.3625	0.0444	0.1786	0.1159	0.4665	0.4373	0.0771	0.2311	0.1764	0.5285
52	34.45	0.09	0.3877	0.0434	0.1856	0.1113	0.4768	0.4330	0.0777	0.2276	0.1794	0.5256
53	34.71	0.09	0.4032	0.0451	0.1885	0.1119	0.4636	0.4476	0.0783	0.2360	0.1749	0.5273
54	34.95	0.10	0.4004	0.0445	0.1816	0.1122	0.4537	0.4632	0.0783	0.2440	0.1690	0.5267
55	35.18	0.09	0.3583	0.0485	0.1784	0.1222	0.4449	0.4870	0.0776	0.2586	0.1593	0.5316
56	35.43	0.09	0.4024	0.0464	0.1753	0.1227	0.4357	0.5067	0.0775	0.2674	0.1529	0.5276
57	35.66	0.09	0.4015	0.0521	0.1871	0.1295	0.4162	0.5362	0.0760	0.2838	0.1417	0.5253
58	35.88	0.09	0.3993	0.0514	0.1892	0.1286	0.4236	0.5436	0.0765	0.2857	0.1408	0.5258
59	36.13	0.10	0.4010	0.0517	0.1890	0.1289	0.4214	0.5422	0.0760	0.2871	0.1402	0.5256
60	36.37	0.09	0.3862	0.0455	0.1762	0.1187	0.4304	0.5337	0.0765	0.2817	0.1434	0.5279
61	36.59	0.09	0.3811	0.0415	0.1814	0.1089	0.4761	0.5260	0.0774	0.2802	0.1471	0.5327
62	36.83	0.10	0.3757	0.0405	0.1800	0.1088	0.4791	0.5310	0.0770	0.2821	0.1451	0.5312
63	37.08	0.10	0.3722	0.0386	0.1825	0.1042	0.4902	0.5322	0.0771	0.2826	0.1449	0.5355
64	37.29	0.10	0.3683	0.0365	0.1853	0.0924	0.5276	0.5109	0.0786	0.2749	0.1538	0.5380
65	37.55	0.09	0.3605	0.0203	0.1583	0.0562	0.5438	0.5134	0.0785	0.2763	0.1525	0.5381
66	37.77	0.09	0.3975	0.0224	0.1840	0.0625	0.5200	0.5208	0.0782	0.2746	0.1501	0.5366
67	38.01	0.09	0.3560	0.0135	0.2015	0.0380	0.5059	0.5234	0.0774	0.2805	0.1478	0.5367
68	38.25	0.07	0.3548	0.0054	0.2062	0.0194	0.5875	0.5334	0.0775	0.2838	0.1452	0.5321
69	38.47	0.08	0.3405	0.0020	0.2045	0.0058	0.5997	0.5335	0.0771	0.2851	0.1445	0.5339
70	38.67	0.08	0.3404	0.0018	0.2042	0.0052	0.5980	0.5470	0.0760	0.2896	0.1401	0.5255
71	38.90	0.08	0.3577	0.0050	0.2185	0.0253	0.6120	0.5551	0.0756	0.2939	0.1362	0.5254
72	39.11	0.07	0.3508	0.0007	0.2066	0.0021	0.5891	0.5644	0.0762	0.2967	0.1350	0.5257
73	39.31	0.08	0.3414	0.0056	0.1912	0.0200	0.5599	0.5706	0.0760	0.2991	0.1332	0.5241
74	39.53	0.07	0.3328	0.0175	0.1858	0.0317	0.5562	0.5807	0.0744	0.3035	0.1282	0.5234
75	39.74	0.07	0.3267	0.0238	0.1750	0.0729	0.5357	0.5860	0.0748	0.3081	0.1276	0.5258
76	39.92	0.07	0.3148	0.0252	0.1863	0.0734	0.5245	0.5902	0.0747	0.3115	0.1265	0.5274
77	40.13	0.08	0.3238	0.0217	0.1717	0.0671	0.5303	0.5920	0.0743	0.3127	0.1256	0.5281
78	40.34	0.09	0.3273	0.0214	0.1757	0.0654	0.5304	0.5942	0.0736	0.3119	0.1239	0.5250
79	40.55	0.08	0.3261	0.0225	0.1732	0.0702	0.5313	0.5957	0.0731	0.3116	0.1227	0.5232
80	40.75	0.09	0.3567	0.0135	0.1952	0.0377	0.5443	0.5975	0.0724	0.3135	0.1211	0.5246
81	40.97	0.09	0.3521	0.0050	0.1974	0.0254	0.5544	0.6068	0.0724	0.3183	0.1153	0.5245
82	41.17	0.08	0.3317	0.0128	0.1835	0.0386	0.5533	0.6060	0.0704	0.3161	0.1162	0.5216
83	41.38	0.10	0.3741	0.0060	0.2050	0.0175	0.5588	0.6099	0.0695	0.3172	0.1139	0.5201
84	41.58	0.09	0.3645	0.0082	0.2128	0.0213	0.5528	0.6184	0.0694	0.3217	0.1130	0.5202
85	41.77	0.10	0.3756	0.0050	0.2098	0.0131	0.5526	0.6203	0.0684	0.3213	0.1071	0.5179
86	41.94	0.10	0.3534	0.0085	0.2172	0.0227	0.5521	0.6255	0.0657	0.3224	0.1051	0.5154
87	42.13	0.11	0.3730	0.0136	0.2034	0.0365	0.5445	0.6246	0.0664	0.3238	0.1064	0.5184
88	42.31	0.11	0.3571	0.0117	0.2140	0.0296	0.5340	0.6335	0.0644	0.3280	0.1016	0.5178
89	42.50	0.12	0.4202	0.0055	0.2303	0.0141	0.5488	0.6414	0.0630	0.3327	0.1013	0.5187
90	42.67	0.12	0.4251	0.0085	0.2313	0.0208	0.5491	0.6523	0.0630	0.3352	0.0920	0.5138
91	42.88	0.12	0.4284	0.0046	0.2270	0.0107	0.5299	0.6468	0.0613	0.3354	0.0946	0.5165
92	43.05	0.11	0.4400	0.0056	0.2355	0.0215	0.5291	0.6571	0.0576	0.3362	0.0880	0.5116

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACT	AXIS	PHI	CNCF	L	CEL1	DEL2	CEL3	CEL4	TRANSITION		
7	122	0.00	1.0	0.0	0.100F34	0.0	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CNF1	CEL1	CEL1	ALPF1	YCPF1	CNF2	CEL2	C82	XCPF2	YCPF2
93	43.23	0.12	0.4333	0.0065	0.2297	0.0158	0.5301	0.6599	0.0588	0.3386	0.0852	0.5131
94	43.40	0.12	0.4453	0.0063	0.2345	0.0165	0.5221	0.6652	0.0566	0.3406	0.0850	0.5120
95	43.59	0.12	0.4665	0.0067	0.2406	0.0163	0.5156	0.6703	0.0545	0.3368	0.0813	0.5054
96	43.76	0.13	0.4823	0.0065	0.2315	0.0169	0.5126	0.6742	0.0544	0.3402	0.0807	0.5046
97	43.94	0.12	0.4433	0.0075	0.2255	0.0169	0.5185	0.6767	0.0567	0.3445	0.0837	0.5096
98	44.14	0.13	0.4636	0.0091	0.2357	0.0197	0.5081	0.6882	0.0552	0.3487	0.0802	0.5066
99	44.32	0.14	0.4811	0.0126	0.2403	0.0238	0.4923	0.6940	0.0535	0.3506	0.0776	0.5052
100	44.50	0.13	0.4777	0.0111	0.2400	0.0233	0.5026	0.6896	0.0544	0.3487	0.0796	0.5056
101	44.66	0.13	0.4605	0.0146	0.2315	0.0316	0.5030	0.6992	0.0535	0.3516	0.0766	0.5028
102	44.86	0.13	0.4514	0.0164	0.2163	0.0427	0.5014	0.7019	0.0525	0.3524	0.0748	0.5020
103	45.05	0.13	0.4353	0.0150	0.2228	0.0344	0.5118	0.6927	0.0525	0.3459	0.0758	0.4993
104	45.23	0.13	0.4476	0.0176	0.2243	0.0393	0.5011	0.6963	0.0523	0.3489	0.0745	0.4996
105	45.40	0.12	0.4554	0.0176	0.2205	0.0387	0.5018	0.7038	0.0531	0.3506	0.0755	0.4982
106	45.58	0.13	0.4216	0.0235	0.2063	0.0507	0.4941	0.7102	0.0514	0.3536	0.0723	0.4979
107	45.76	0.12	0.4413	0.0225	0.2056	0.0543	0.4979	0.7080	0.0503	0.3529	0.0711	0.4985
108	45.93	0.12	0.4125	0.0260	0.2041	0.0534	0.4947	0.7080	0.0513	0.3514	0.0724	0.4963
109	46.10	0.13	0.4182	0.0233	0.2072	0.0557	0.4954	0.7124	0.0501	0.3525	0.0703	0.4948
110	46.28	0.12	0.4126	0.0213	0.2063	0.0516	0.4999	0.7086	0.0508	0.3514	0.0718	0.4959
111	46.45	0.11	0.4175	0.0216	0.2067	0.0518	0.4995	0.7135	0.0504	0.3544	0.0707	0.4967
112	46.61	0.11	0.4355	0.0276	0.2188	0.0636	0.5047	0.7021	0.0484	0.3465	0.0656	0.4941
113	46.79	0.12	0.4182	0.0266	0.2055	0.0646	0.5092	0.7115	0.0486	0.3523	0.0682	0.4944
114	46.97	0.12	0.4216	0.0250	0.2162	0.0592	0.5126	0.7109	0.0476	0.3506	0.0673	0.4935
115	47.14	0.10	0.4080	0.0200	0.2130	0.0510	0.5220	0.7077	0.0473	0.3500	0.0668	0.4945
116	47.30	0.10	0.3904	0.0198	0.2114	0.0506	0.5415	0.7181	0.0477	0.3551	0.0665	0.4945
117	47.48	0.10	0.3853	0.0143	0.2052	0.0393	0.5618	0.7127	0.0469	0.3526	0.0658	0.4947
118	47.66	0.07	0.3458	0.0136	0.1995	0.0395	0.5715	0.7161	0.0472	0.3503	0.0656	0.4892
119	47.82	0.08	0.3412	0.0105	0.2004	0.0308	0.5873	0.7251	0.0492	0.3590	0.0678	0.4951
120	47.99	0.05	0.1742	-0.0058	0.1377	-0.0334	0.7904	0.7179	0.0469	0.3545	0.0681	0.4937
121	48.14	0.02	-0.0101	-0.0111	0.0416	1.1031	-4.1246	0.7222	0.0516	0.3575	0.0714	0.4956
122	48.31	0.00	-0.0841	-0.0141	0.0041	0.1601	-0.0493	0.7163	0.0507	0.3540	0.0708	0.4942
123	48.49	-0.01	-0.1175	-0.0175	-0.0125	0.1517	0.1091	0.7138	0.0506	0.3531	0.0709	0.4947
124	48.65	-0.01	-0.0496	-0.0044	-0.0035	0.0881	0.0795	0.7367	0.0515	0.3659	0.0699	0.4967
125	48.83	-0.01	-0.1773	-0.0315	-0.0373	0.1777	0.2107	0.7151	0.0490	0.3543	0.0685	0.4954
126	49.00	-0.01	-0.1263	-0.0221	-0.0237	0.1753	0.1872	0.7299	0.0500	0.3587	0.0685	0.4915
127	49.21	0.02	-0.0524	-0.0183	0.0367	0.5641	-1.1320	0.7274	0.0483	0.3605	0.0665	0.4956
128	49.37	0.01	-0.0910	-0.0307	0.0323	0.3371	-0.1357	0.7314	0.0482	0.3603	0.0660	0.4926
129	49.53	0.01	-0.0501	-0.0347	0.0377	0.6529	-0.7514	0.7318	0.0469	0.3630	0.0641	0.4961
130	49.73	0.02	-0.0706	-0.0345	0.0227	0.4934	-0.3209	0.7462	0.0469	0.3657	0.0628	0.4900
131	49.91	0.02	-0.0653	-0.0363	0.0263	0.5357	-0.6035	0.7361	0.0461	0.3654	0.0626	0.4963
132	50.07	0.02	-0.0345	-0.0377	0.0345	1.0934	-1.0097	0.7453	0.0445	0.3656	0.0597	0.4905
133	50.24	0.01	-0.0458	-0.0367	0.0285	0.7370	-0.5728	0.7476	0.0446	0.3717	0.0557	0.4972
134	50.42	0.04	-0.0194	-0.0342	0.0436	1.7544	-2.2409	0.7551	0.0435	0.3754	0.0576	0.4972
135	50.59	0.03	-0.0186	-0.0335	0.0428	1.8212	-2.3020	0.7431	0.0435	0.3670	0.0585	0.4935
136	50.74	0.03	-0.0118	-0.0326	0.0526	18.4706	-29.7557	0.7619	0.0441	0.3765	0.0575	0.4941
137	50.92	0.06	0.2464	0.0047	0.1375	0.0188	0.5550	0.7648	0.0453	0.3608	0.0593	0.4975
138	51.11	0.05	0.2009	-0.0036	0.1046	-0.0139	0.6311	0.7662	0.0449	0.3606	0.0586	0.4968

PAGE 2 OF 3
SHEET 4 OF 4

NAUTIA MISSILE TAILS EFFECTS DATA

TEST PART		MACH		FXIC-6		PHI		CNLF		L		DECL		DECL2		DECL3		DECL4		TRANSITION	
7		1.22		0.80		1.7		C.C		0.140F34		C.C		0		-30		0		-30 UNKNOWN	
FCINT	ALPHA	BETA	CNFI	CHI	LBI	XCPI1	YCPI1	CNF2	CHI2	CBI2	XCPI2	YCPI2									
139	51.28	0.05	0.2501	-0.0007	0.1518	-0.0028	0.5926	0.7736	0.0445	0.3848	0.0575	0.4574									
140	51.43	0.05	0.2640	0.0005	0.1600	0.0209	0.5633	0.7771	0.0444	0.3868	0.0578	0.4578									
141	51.61	0.05	0.2570	0.0031	0.1468	0.0121	0.5711	0.7767	0.0437	0.3862	0.0562	0.4573									
142	51.76	0.05	0.2431	0.0001	0.1311	0.0252	0.5394	0.7872	0.0434	0.3518	0.0551	0.4577									
143	51.96	0.12	0.2215	0.0025	0.1216	0.0117	0.5665	0.7845	0.0419	0.3503	0.0534	0.4572									
144	52.12	0.12	0.1601	-0.0002	0.0592	-0.0002	0.6194	0.7964	0.0428	0.3961	0.0537	0.4561									
145	52.27	0.06	0.1821	-0.0003	0.1120	-0.0017	0.6154	0.8075	0.0423	0.4002	0.0524	0.4556									
146	52.45	0.06	0.1055	-0.0015	0.0704	-0.0181	0.6609	0.7801	0.0387	0.3870	0.0496	0.4561									
147	52.62	0.05	0.0675	-0.0070	0.0561	-0.1032	0.8317	0.7742	0.0376	0.3851	0.0486	0.4574									
148	52.78	0.06	0.0075	-0.0008	0.0454	-0.0555	0.7273	0.7774	0.0369	0.3861	0.0475	0.4567									
149	52.95	0.05	0.0002	-0.0170	0.0155	-84.5000	95.7815	0.7840	0.0368	0.3890	0.0465	0.4562									
150	53.14	0.05	-0.0315	-0.0282	0.0002	0.8317	-0.0006	0.7882	0.0367	0.3924	0.0466	0.4564									
151	53.30	0.05	-0.0305	-0.0256	-0.0033	0.6576	0.0054	0.7834	0.0356	0.3857	0.0454	0.4575									
152	53.47	0.08	-0.0005	-0.0315	-0.0314	0.5224	0.5178	0.7513	0.0365	0.3746	0.0486	0.4586									
153	53.62	0.05	-0.0453	-0.0321	-0.0211	0.7087	0.4645	0.7535	0.0356	0.3775	0.0472	0.5015									
154	53.79	0.10	-0.0435	-0.0365	-0.0235	0.7105	0.5490	0.7624	0.0349	0.3813	0.0458	0.5002									
155	53.95	0.10	-0.0002	-0.0240	-0.0161	0.2400	0.1859	0.7270	0.0357	0.3645	0.0451	0.5014									
156	54.13	0.05	-0.0227	-0.0241	-0.0214	1.0642	0.9428	0.7407	0.0354	0.3730	0.0477	0.5036									
157	54.28	0.05	-0.0237	-0.0206	-0.0212	0.8772	0.6927	0.7083	0.0355	0.3547	0.0501	0.5008									
158	54.43	0.05	-0.0300	-0.0200	-0.0285	0.6849	0.7517	0.7257	0.0351	0.3604	0.0484	0.5046									
159	54.60	0.05	-0.0507	-0.0253	-0.0300	0.4580	0.5909	0.7107	0.0359	0.3565	0.0505	0.5021									
160	54.75	0.06	-0.0350	-0.0227	-0.0252	0.6374	0.7089	0.7324	0.0346	0.3667	0.0473	0.5007									
161	54.92	0.05	-0.0225	-0.0141	-0.0178	0.6182	0.7600	0.7145	0.0352	0.3591	0.0493	0.5026									
162	55.06	0.05	-0.0405	-0.0105	-0.0227	0.4631	0.5560	0.7126	0.0346	0.3570	0.0486	0.5008									
163	55.20	0.06	-0.0202	-0.0156	-0.0203	0.5609	0.7216	0.7185	0.0350	0.3607	0.0488	0.5020									
164	55.38	0.08	-0.0300	-0.0103	-0.0215	0.4591	0.6039	0.7338	0.0344	0.3674	0.0469	0.5007									
165	55.56	0.10	-0.0401	-0.0176	-0.0220	0.4378	0.5469	0.7376	0.0337	0.3705	0.0457	0.5028									
166	55.69	0.08	-0.0411	-0.0155	-0.0234	0.3772	0.5708	0.7394	0.0350	0.3710	0.0474	0.5017									
167	55.86	0.05	-0.0342	-0.0157	-0.0212	0.5471	0.6186	0.7452	0.0338	0.3745	0.0453	0.5026									
168	56.05	0.05	-0.0354	-0.0106	-0.0194	0.4723	0.5054	0.7516	0.0341	0.3764	0.0454	0.5007									
169	56.22	0.05	-0.0303	-0.0212	-0.0261	0.3636	0.4482	0.7362	0.0343	0.3690	0.0466	0.5012									
170	56.37	0.08	-0.0203	-0.0173	-0.0132	0.5501	0.5008	0.7520	0.0340	0.3764	0.0452	0.5004									
171	56.52	0.05	-0.0305	-0.0154	-0.0145	0.4165	0.3935	0.7345	0.0325	0.3686	0.0447	0.5018									
172	56.67	0.07	-0.0244	-0.0137	-0.0107	0.5617	0.4373	0.7635	0.0335	0.3830	0.0439	0.5016									
173	56.83	0.05	-0.0245	-0.0175	-0.0112	0.6486	0.5160	0.7718	0.0328	0.3863	0.0424	0.5003									
174	56.97	0.06	-0.0200	-0.0153	-0.0144	0.5158	0.5041	0.7705	0.0326	0.3863	0.0425	0.5014									
175	57.12	0.06	-0.0204	-0.0134	-0.0103	0.5079	0.5889	0.7567	0.0323	0.3750	0.0430	0.5002									
176	57.26	0.05	-0.0152	-0.0120	-0.0035	0.7677	0.2323	0.7798	0.0308	0.3894	0.0355	0.4994									
177	57.41	0.07	-0.0115	-0.0004	-0.0025	0.5439	0.2100	0.7593	0.0317	0.3795	0.0418	0.5003									
178	57.55	0.06	-0.0224	-0.0100	-0.0064	0.4630	0.2412	0.7653	0.0317	0.3844	0.0414	0.5023									
179	57.71	0.06	-0.0033	-0.0055	0.0033	1.7813	-0.9977	0.7735	0.0312	0.3877	0.0403	0.5012									
180	57.87	0.06	-0.0175	-0.0006	-0.0035	0.3775	0.2204	0.7918	0.0312	0.3558	0.0394	0.4996									
181	57.99	0.06	-0.0122	-0.0000	0.0000	0.4786	-0.0767	0.7749	0.0330	0.3862	0.0423	0.4994									
182	57.99	0.04	-0.0224	-0.0003	-0.0031	0.2773	0.1361	0.7623	0.0314	0.3749	0.0412	0.4983									

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RXIC-6 7 122 C.C 1.7				PHI CNF 0.0 0.100F34 C.C		DEL1 DEL2 DEL3 DEL4 TRANSITION 0 -30 0 -30 UNKNOWN						
PCANT	ALPHA	BETA	CNF3	CH3	CH3	XCFF3	YCFF3	CNF4	CH4	CH4	XCFF4	YCFF4
1	-5.80	-0.00	0.0053	5.5555	0.0010	5.5555	0.1956	-0.7471	-0.0250	-0.4009	0.0334	0.5367
2	-5.75	-0.00	0.0121	5.5555	0.0037	5.5555	0.3056	-0.7412	-0.0256	-0.3575	0.0345	0.5365
3	-5.80	-0.00	0.0184	5.5555	0.0058	5.5555	0.3157	-0.7377	-0.0260	-0.3585	0.0352	0.5386
4	-5.60	0.00	0.0363	5.5555	0.0114	5.5555	0.3145	-0.7098	-0.0273	-0.3621	0.0385	0.5382
5	-3.84	0.00	0.0088	5.5555	0.0008	5.5555	0.0539	-0.7086	-0.0276	-0.3823	0.0385	0.5355
6	-2.21	0.00	0.0254	5.5555	0.0067	5.5555	0.2901	-0.6828	-0.0278	-0.3698	0.0407	0.5416
7	-0.51	-0.00	0.0100	5.5555	0.0015	5.5555	0.1365	-0.6500	-0.0271	-0.3751	0.0393	0.5437
8	1.18	-0.00	0.0047	5.5555	0.0006	5.5555	0.1350	-0.7042	-0.0295	-0.3840	0.0419	0.5453
9	2.56	-0.00	0.0121	5.5555	0.0044	5.5555	0.3612	-0.6792	-0.0345	-0.3711	0.0508	0.5464
10	4.59	-0.00	0.0085	5.5555	0.0040	5.5555	0.4745	-0.6421	-0.0365	-0.3508	0.0568	0.5464
11	6.33	-0.00	0.0008	5.5555	0.0034	5.5555	0.1156	-0.6149	-0.0371	-0.3364	0.0604	0.5471
12	8.05	-0.00	0.0053	5.5555	0.0078	5.5555	0.8408	-0.5803	-0.0374	-0.3216	0.0638	0.5485
13	9.71	-0.00	0.0065	5.5555	0.0078	5.5555	1.1338	-0.6152	-0.0430	-0.3310	0.0700	0.5481
14	11.46	-0.00	0.0062	5.5555	0.0063	5.5555	1.3303	-0.6057	-0.0523	-0.3329	0.0858	0.5466
15	13.16	-0.00	0.0045	5.5555	0.0082	5.5555	1.8330	-0.5677	-0.0505	-0.3141	0.0890	0.5533
16	14.93	-0.01	0.0068	5.5555	0.0110	5.5555	1.2442	-0.5045	-0.0539	-0.2892	0.1068	0.5733
17	16.74	-0.02	0.0123	5.5555	0.0115	5.5555	0.9724	-0.4203	-0.0514	-0.2535	0.1222	0.6033
18	18.56	-0.01	0.0165	5.5555	0.0126	5.5555	0.7406	-0.3083	-0.0434	-0.1932	0.1415	0.6306
19	20.38	-0.02	0.0128	5.5555	0.0050	5.5555	0.7174	-0.1656	-0.0295	-0.1165	0.1741	0.6586
20	22.22	-0.03	0.0064	5.5555	0.0040	5.5555	0.9477	-0.0407	-0.0125	-0.0503	0.2673	1.0777
21	24.07	-0.02	0.0065	5.5555	0.0085	5.5555	0.9977	0.0239	0.0034	-0.0075	0.1435	-0.3123
22	25.91	-0.01	0.0047	5.5555	0.0057	5.5555	1.2194	0.0627	0.0220	0.0184	0.3516	0.2929
23	27.76	0.02	0.0348	5.5555	0.0174	5.5555	0.5036	0.0819	0.0348	0.0324	0.4251	0.3950
24	27.80	0.01	0.0246	5.5555	0.0134	5.5555	0.5431	0.0517	0.0300	0.0271	0.3551	0.4050
25	27.80	0.01	0.0252	5.5555	0.0138	5.5555	0.5401	0.0796	0.0343	0.0323	0.4308	0.4051
26	27.81	0.01	0.0326	5.5555	0.0164	5.5555	0.5026	0.0768	0.0337	0.0320	0.4384	0.4158
27	27.80	0.01	0.0214	5.5555	0.0155	5.5555	0.5065	0.0763	0.0335	0.0320	0.4387	0.4187
28	27.85	0.01	0.0288	5.5555	0.0142	5.5555	0.4935	0.0814	0.0351	0.0343	0.4317	0.4218
29	26.28	0.02	0.0355	5.5555	0.0187	5.5555	0.4726	0.1012	0.0407	0.0446	0.4018	0.4405
30	26.58	0.02	0.0247	5.5555	0.0123	5.5555	0.4909	0.1147	0.0445	0.0448	0.3753	0.4577
31	28.86	0.02	0.0357	5.5555	0.0168	5.5555	0.4712	0.1161	0.0448	0.0536	0.3641	0.4618
32	29.10	0.03	0.0504	5.5555	0.0232	5.5555	0.4608	0.1291	0.0480	0.0612	0.3720	0.4740
33	29.47	0.03	0.0442	5.5555	0.0205	5.5555	0.4648	0.1425	0.0505	0.0677	0.3545	0.4752
34	29.75	0.03	0.0470	5.5555	0.0220	5.5555	0.4600	0.1553	0.0531	0.0735	0.3467	0.4759
35	30.00	0.05	0.0436	5.5555	0.0208	5.5555	0.4739	0.1465	0.0533	0.0725	0.3552	0.4884
36	30.28	0.05	0.0442	5.5555	0.0237	5.5555	0.4609	0.1628	0.0582	0.0860	0.3185	0.4926
37	30.57	0.05	0.0453	5.5555	0.0228	5.5555	0.4631	0.1808	0.0586	0.0899	0.3247	0.4957
38	30.84	0.04	0.0328	5.5555	0.0165	5.5555	0.5036	0.2142	0.0633	0.1077	0.2885	0.4513
39	31.10	0.04	0.0277	5.5555	0.0138	5.5555	0.4914	0.2338	0.0669	0.1163	0.2775	0.4573
40	31.38	0.04	0.0301	5.5555	0.0184	5.5555	0.5009	0.2654	0.0674	0.1325	0.2538	0.4591
41	31.66	0.03	0.0387	5.5555	0.0181	5.5555	0.4518	0.2863	0.0689	0.1445	0.2407	0.5047
42	31.93	0.04	0.0440	5.5555	0.0220	5.5555	0.4930	0.2830	0.0690	0.1438	0.2435	0.5080
43	32.18	0.04	0.0442	5.5555	0.0227	5.5555	0.4921	0.3006	0.0703	0.1539	0.2338	0.5121
44	32.45	0.07	0.0435	5.5555	0.0207	5.5555	0.4774	0.3014	0.0712	0.1551	0.2363	0.5145
45	32.70	0.06	0.0522	5.5555	0.0261	5.5555	0.5008	0.3206	0.0722	0.1663	0.2251	0.5188
46	32.96	0.07	0.0512	5.5555	0.0248	5.5555	0.4847	0.3215	0.0749	0.1688	0.2238	0.5250

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RXIC-E																
7 122 0.00 1.7																
PH1 CGNF L DEL1 DEL2 DEL3 DEL4 TRANSITION																
0.0 0.160F34 G.C 0 -30 0 -30 UNKNOWN																
PLINT	ALPHA	BETA	GNF1	GNF2	GNF3	GNF4	GNF5	GNF6	GNF7	GNF8	GNF9	GNF10	GNF11	GNF12	GNF13	GNF14
47	33.21	0.06	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
48	33.46	0.07	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070
49	33.72	0.05	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072
50	33.97	0.08	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
51	34.21	0.08	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053
52	34.45	0.09	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056
53	34.71	0.05	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
54	34.95	0.10	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055
55	35.18	0.05	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
56	35.43	0.09	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
57	35.66	0.09	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
58	35.88	0.05	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
59	36.13	0.10	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053
60	36.37	0.09	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
61	36.55	0.09	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
62	36.85	0.10	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070
63	37.06	0.10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
64	37.24	0.10	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
65	37.55	0.05	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
66	37.77	0.05	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
67	38.01	0.06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
68	38.25	0.07	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055
69	38.47	0.08	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057
70	38.67	0.08	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
71	38.90	0.06	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
72	39.11	0.07	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
73	39.31	0.06	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
74	39.53	0.07	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055
75	39.74	0.07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
76	39.92	0.07	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057
77	40.13	0.06	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
78	40.34	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
79	40.55	0.06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
80	40.75	0.05	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
81	40.97	0.05	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
82	41.17	0.06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
83	41.36	0.10	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055
84	41.56	0.05	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
85	41.77	0.10	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
86	41.94	0.10	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073
87	42.13	0.11	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
88	42.31	0.11	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074
89	42.50	0.12	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
90	42.67	0.12	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071
91	42.86	0.12	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074
92	43.05	0.11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			MACH	RX10-6	PHI	CENF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7			122	C-EL 1.7	J.C	010CF34	G.C	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CNF3	CNF3	CNF3	XCPF3	YCPF3	CNF4	CNF4	CNF4	XCPF4	YCPF4
93	43.23	0.12	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672
94	43.40	0.12	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672
95	43.59	0.12	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673
96	43.76	0.13	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674
97	43.94	0.12	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672	0.0672
98	44.14	0.13	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
99	44.32	0.14	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
100	44.50	0.13	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674
101	44.68	0.13	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
102	44.86	0.15	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
103	45.05	0.13	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677
104	45.23	0.13	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678
105	45.40	0.12	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674
106	45.58	0.13	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
107	45.76	0.12	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677
108	45.93	0.12	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
109	46.10	0.13	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
110	46.28	0.12	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674
111	46.45	0.11	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
112	46.61	0.11	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
113	46.79	0.12	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
114	46.97	0.12	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677
115	47.14	0.10	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673
116	47.30	0.10	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
117	47.48	0.10	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
118	47.66	0.07	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
119	47.82	0.08	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
120	47.99	0.05	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674
121	48.14	0.02	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
122	48.31	0.00	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673	0.0673
123	48.45	-0.01	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677
124	48.65	-0.01	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
125	48.83	-0.01	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
126	49.00	-0.01	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674
127	49.21	0.02	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
128	49.37	0.01	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
129	49.53	0.01	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
130	49.73	0.02	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677
131	49.91	0.02	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678
132	50.07	0.02	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679
133	50.24	0.01	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678	0.0678
134	50.42	0.04	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679	0.0679
135	50.59	0.03	0.0680	0.0680	0.0680	0.0680	0.0680	0.0680	0.0680	0.0680	0.0680	0.0680
136	50.74	0.03	0.0681	0.0681	0.0681	0.0681	0.0681	0.0681	0.0681	0.0681	0.0681	0.0681
137	50.92	0.06	0.0682	0.0682	0.0682	0.0682	0.0682	0.0682	0.0682	0.0682	0.0682	0.0682
138	51.11	0.06	0.0683	0.0683	0.0683	0.0683	0.0683	0.0683	0.0683	0.0683	0.0683	0.0683

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 7.10-6				PHI		CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION
7 122 C.E.C. 1.7				C.C. 0.100F34		0.0		0		-30	0	-30	UNKNOWN	
FLINT	ALPHA	BETA	CNF3	CH3	CH3	ALPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4		
139	51.28	0.05	0.0319	0.0000	0.0205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
140	51.43	0.05	0.0328	0.0000	0.0206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
141	51.61	0.05	0.0328	0.0000	0.0206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
142	51.78	0.05	0.0352	0.0000	0.0205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
143	51.96	0.12	0.0445	0.0000	0.0222	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
144	52.14	0.12	0.0331	0.0000	0.0184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
145	52.27	0.08	0.0357	0.0000	0.0186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
146	52.45	0.08	0.0242	0.0000	0.0138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
147	52.62	0.05	0.0254	0.0000	0.0145	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
148	52.78	0.08	0.0254	0.0000	0.0167	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
149	52.95	0.05	0.0323	0.0000	0.0162	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
150	53.14	0.09	0.0260	0.0000	0.0163	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
151	53.30	0.05	0.0308	0.0000	0.0172	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
152	53.47	0.08	0.0302	0.0000	0.0177	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
153	53.62	0.09	0.0350	0.0000	0.0204	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
154	53.79	0.10	0.0371	0.0000	0.0213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
155	53.95	0.10	0.0371	0.0000	0.0203	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
156	54.13	0.05	0.0441	0.0000	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
157	54.28	0.05	0.0373	0.0000	0.0202	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
158	54.43	0.05	0.0380	0.0000	0.0195	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
159	54.60	0.09	0.0267	0.0000	0.0158	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
160	54.75	0.08	0.0350	0.0000	0.0166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
161	54.92	0.08	0.0323	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
162	55.08	0.09	0.0405	0.0000	0.0210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
163	55.20	0.08	0.0352	0.0000	0.0205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
164	55.38	0.08	0.0351	0.0000	0.0185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
165	55.56	0.10	0.0351	0.0000	0.0185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
166	55.65	0.08	0.0410	0.0000	0.0214	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
167	55.80	0.05	0.0322	0.0000	0.0174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
168	56.05	0.05	0.0264	0.0000	0.0145	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
169	56.22	0.05	0.0255	0.0000	0.0151	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
170	56.37	0.08	0.0414	0.0000	0.0221	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
171	56.52	0.05	0.0317	0.0000	0.0161	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
172	56.67	0.07	0.0304	0.0000	0.0167	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
173	56.83	0.05	0.0228	0.0000	0.0162	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
174	56.97	0.06	0.0335	0.0000	0.0161	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
175	57.12	0.06	0.0305	0.0000	0.0162	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
176	57.26	0.05	0.0303	0.0000	0.0164	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
177	57.41	0.07	0.0316	0.0000	0.0166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
178	57.55	0.08	0.0350	0.0000	0.0167	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
179	57.71	0.08	0.0355	0.0000	0.0205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
180	57.87	0.08	0.0281	0.0000	0.0146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
181	57.99	0.06	0.0283	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
182	57.99	0.04	0.0216	0.0000	0.0116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PAGE 1 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-E	PHI	CLNF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1	123	0.90	1.7	0.0	510034	C.C	0	-30	0	-30	UNKNOWN
POINT	ALPHA	BETA	CL	CLM	CLY	CLN	CLL	CA	CAB	CAF	XCP
1	5.23	-0.003	-2.6385	12.7962	0.0521	-0.3208	0.0158	2.0333	0.3126	1.7207	-4.8498
2	5.23	-0.01	-2.6541	12.7716	0.1084	-0.4852	0.0030	2.0298	0.3043	1.7205	-4.8143
3	5.23	-0.01	-2.6773	12.8585	0.0752	-0.3868	-0.0035	2.0350	0.3130	1.7250	-4.8028
4	5.50	-0.02	-2.6406	12.7838	-0.0196	-0.3553	-0.0100	2.0260	0.3063	1.7198	-4.6412
5	5.66	-0.01	-2.5810	12.6277	-0.0260	-0.2903	0.0028	2.0055	0.3030	1.7026	-4.8925
6	5.88	-0.01	-2.6155	12.7666	0.1407	-0.4144	0.0032	2.0168	0.3060	1.7109	-4.8805
7	6.09	-0.01	-2.5810	12.6788	0.0483	-0.3856	-0.0227	1.9994	0.3043	1.6952	-4.9122
8	6.27	-0.01	-2.5765	12.7373	0.0815	-0.3732	-0.0097	1.9997	0.2997	1.7001	-4.9428
9	6.48	-0.02	-2.5423	12.6488	-0.0045	-0.1010	-0.0101	1.9895	0.2989	1.6907	-4.9758
10	6.68	-0.00	-2.4821	12.5081	0.1124	-0.3915	-0.0159	1.9756	0.3014	1.6743	-5.0393
11	6.85	-0.00	-2.4755	12.5340	-0.1512	-0.4201	-0.0053	1.9737	0.2981	1.6757	-5.0632
12	7.09	-0.00	-2.4704	12.5017	0.1171	-0.3812	-0.0075	1.9637	0.2966	1.6652	-5.0606
13	7.27	-0.01	-2.4341	12.4111	-0.0034	-0.3357	-0.0096	1.9476	0.2986	1.6491	-5.0989
14	7.46	-0.01	-2.4077	12.4071	0.0001	-0.3444	-0.0223	1.9474	0.2990	1.6465	-5.1530
15	7.65	-0.01	-2.3741	12.2872	0.0445	-0.3444	-0.0221	1.9308	0.2969	1.6337	-5.1755
16	7.84	-0.02	-2.3765	12.3251	0.0214	-0.3814	-0.0352	1.9368	0.3011	1.6377	-5.1618
17	8.03	-0.01	-2.3450	12.2216	0.0301	-0.2544	-0.0353	1.9174	0.2970	1.6204	-5.2117
18	8.20	-0.00	-2.2941	12.1505	0.1437	-0.4051	-0.0349	1.9094	0.2978	1.6116	-5.2964
19	8.38	-0.01	-2.2651	12.1163	0.0504	-0.3632	-0.0479	1.9032	0.2962	1.6070	-5.3397
20	8.50	-0.01	-2.2645	12.1225	-0.0186	-0.1853	-0.0352	1.8944	0.2945	1.5999	-5.3562
21	8.73	-0.01	-2.2059	11.9751	0.0377	-0.3506	-0.0606	1.8761	0.2925	1.5856	-5.4286
22	8.91	-0.02	-2.1860	11.9146	-0.0504	-0.1503	-0.0344	1.8638	0.2916	1.5722	-5.4956
23	9.09	-0.02	-2.1535	11.9825	-0.0531	-0.2686	-0.0345	1.8705	0.2886	1.5618	-5.5631
24	9.28	-0.01	-2.1520	11.8876	0.0554	-0.4320	-0.0262	1.8489	0.2861	1.5627	-5.5733
25	9.43	-0.01	-2.1082	11.8538	0.0374	-0.3516	-0.0347	1.8448	0.2824	1.5623	-5.6226
26	9.61	-0.01	-2.0864	11.7447	0.0492	-0.3624	-0.0346	1.8332	0.2824	1.5478	-5.6238
27	9.81	-0.01	-2.0553	11.7225	0.1018	-0.3595	-0.0474	1.8204	0.2778	1.5426	-5.6932
28	9.96	-0.01	-2.0134	11.6554	-0.0454	-0.1807	-0.0342	1.8080	0.2766	1.5314	-5.7908
29	10.16	-0.01	-1.9908	11.5790	0.0357	-0.3835	-0.0535	1.7948	0.2733	1.5215	-5.8162
30	10.34	-0.02	-1.9657	11.6551	-0.0482	-0.1803	-0.0476	1.8052	0.2720	1.5332	-5.8975
31	10.51	-0.01	-2.0072	11.7802	0.0085	-0.2290	-0.0475	1.8074	0.2717	1.5357	-5.8888
32	10.67	-0.01	-1.9624	11.8053	0.0332	-0.2127	-0.0345	1.8162	0.2691	1.5471	-5.9570
33	10.86	-0.02	-1.9303	11.8721	-0.0014	-0.1531	-0.0603	1.8130	0.2696	1.5434	-5.9950
34	11.04	-0.03	-1.9666	11.8118	-0.0507	-0.2226	-0.0731	1.8065	0.2692	1.5373	-6.0397
35	11.21	-0.03	-1.9792	11.9385	-0.0285	-0.2005	-0.0991	1.8086	0.2683	1.5423	-6.0309
36	11.36	-0.01	-2.0127	12.0003	0.0272	-0.2750	-0.0016	1.8166	0.2608	1.5576	-6.0655
37	11.54	-0.02	-1.9644	12.0755	-0.0535	-0.2678	0.0175	1.8026	0.2599	1.5631	-6.1473
38	11.71	-0.02	-1.9761	12.1002	-0.0255	-0.2700	-0.0276	1.8062	0.2575	1.5487	-6.1566
39	11.89	-0.02	-1.9265	12.0645	0.0011	-0.3312	-0.0080	1.7916	0.2537	1.5379	-6.2611
40	12.05	-0.02	-1.8801	12.0157	0.0505	-0.3418	-0.0143	1.7641	0.2508	1.5333	-6.3641
41	12.22	-0.03	-1.8532	11.9308	-0.0425	-0.2035	-0.0210	1.7683	0.2471	1.5152	-6.4360
42	12.39	-0.03	-1.8173	11.8557	-0.0255	-0.2704	-0.0208	1.7604	0.2474	1.5130	-6.5236
43	12.57	-0.03	-1.7857	11.7408	-0.0032	-0.2128	-0.0209	1.7318	0.2449	1.4929	-6.6343
44	12.73	-0.02	-1.7246	11.5964	0.0146	-0.2632	-0.0207	1.7235	0.2433	1.4802	-6.7241
45	12.89	-0.02	-1.6906	11.4915	0.0152	-0.2753	-0.0207	1.7126	0.2415	1.4711	-6.7984
46	13.08	-0.02	-1.6461	11.3743	0.0111	-0.3170	-0.0141	1.6959	0.2407	1.4552	-7.0243

PAGE 1 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATE				PHI	CONF	T	DEL1	DEL2	DEL3	DEL4	TRANSITION
1 123 0.90 1.7				0.0	0.0	0.0	0	-30	0	-30	UNKNOWN
FCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	13.28	-0.01	-1.5745	11.2001	0.0075	-0.0290	-0.0192	1.0697	0.2391	1.4305	-7.1115
48	13.41	-0.02	-1.5451	11.1844	-0.0064	-0.0326	-0.0142	1.0723	0.2374	1.4348	-7.2070
49	13.58	-0.01	-1.4920	10.9946	-0.0426	-0.0279	-0.0076	1.0448	0.2345	1.4102	-7.3653
50	13.70	-0.02	-1.4443	10.8755	0.0004	-0.0343	-0.0140	1.0382	0.2344	1.4038	-7.5327
51	13.91	-0.02	-1.4213	10.7553	-0.0137	-0.0244	-0.0012	1.0196	0.2319	1.3877	-7.5958
52	14.10	-0.02	-1.3503	10.6150	0.0014	-0.0375	-0.0120	1.0915	0.2298	1.3817	-7.6634
53	14.25	-0.03	-1.3819	10.6758	-0.0031	-0.0281	-0.0076	1.0928	0.2269	1.3659	-7.6387
54	14.41	-0.03	-1.3240	10.6326	-0.0154	-0.0372	-0.0033	1.0807	0.2281	1.3606	-8.0259
55	14.59	-0.02	-1.2701	10.5758	0.0051	-0.0243	-0.0017	1.0716	0.2219	1.3497	-8.3268
56	14.76	-0.02	-1.2402	10.5203	0.0104	-0.0243	-0.0017	1.0623	0.2207	1.3416	-8.4457
57	14.93	-0.03	-1.2488	10.4571	-0.0057	-0.0258	-0.0074	1.0514	0.2182	1.3332	-8.4054
58	15.11	-0.03	-1.1957	10.4227	0.0073	-0.0154	-0.0017	1.0303	0.2152	1.3151	-8.6926
59	15.28	-0.03	-1.1884	10.4122	0.0014	-0.0203	-0.0072	1.0280	0.2137	1.3123	-8.7813
60	15.44	-0.03	-1.1220	10.3212	-0.0060	-0.0270	0.0050	1.0009	0.2132	1.2957	-9.1941
61	15.61	-0.03	-1.1007	10.2500	-0.0022	-0.0180	0.0058	1.4995	0.2126	1.2867	-9.3157
62	15.79	-0.04	-1.0451	10.1803	-0.0073	-0.0140	0.0107	1.4800	0.2123	1.2713	-9.7092
63	15.95	-0.03	-1.0436	10.1528	-0.0052	-0.0082	-0.0007	1.4651	0.2123	1.2728	-9.7283
64	16.12	-0.03	-1.0002	10.0782	-0.0001	-0.0273	0.0000	1.4709	0.2116	1.2591	-10.0139
65	16.26	-0.04	-0.9935	9.9974	-0.0200	-0.0103	-0.0072	1.4435	0.2118	1.2517	-10.5785
66	16.44	-0.03	-0.9514	9.8174	-0.0153	-0.0154	0.0000	1.4393	0.2106	1.2267	-10.7403
67	16.61	-0.03	-0.8852	9.6823	-0.0194	-0.0135	0.0000	1.4151	0.2106	1.2045	-11.2978
68	16.78	-0.03	-0.7935	9.5362	0.0003	-0.0130	0.0120	1.3894	0.2106	1.1768	-12.0116
69	16.94	-0.04	-0.7612	9.4005	-0.0031	-0.0107	0.0253	1.3604	0.2102	1.1702	-12.3502
70	17.12	-0.03	-0.7003	9.2420	-0.0236	-0.0240	0.0002	1.3023	0.2085	1.1540	-13.2693
71	17.28	-0.03	-0.6250	9.1112	-0.0004	-0.0305	0.0191	1.3353	0.2106	1.1247	-14.4846
72	17.45	-0.04	-0.5783	8.9918	-0.0171	0.0000	0.0076	1.3112	0.2098	1.1014	-15.5432
73	17.62	-0.03	-0.4856	8.8723	-0.0065	-0.0074	0.0014	1.2801	0.2089	1.0712	-17.7079
74	17.78	-0.04	-0.4412	8.7726	-0.0192	-0.0170	0.0013	1.2629	0.2089	1.0539	-19.4288
75	17.94	-0.03	-0.3777	8.6885	-0.0052	-0.0121	0.0049	1.2336	0.2102	1.0234	-21.9449
76	18.11	-0.04	-0.3400	8.6070	-0.0001	-0.0052	0.0013	1.2104	0.2105	1.0059	-23.6076
77	18.27	-0.04	-0.2757	8.5121	-0.0038	-0.0102	0.0014	1.1957	0.2114	0.9863	-28.5112
78	18.43	-0.04	-0.1720	8.3955	-0.0175	-0.0049	0.0015	1.1801	0.2118	0.9503	-43.4258
79	18.61	-0.03	-0.1466	8.2605	-0.0050	-0.0050	0.0000	1.1507	0.2126	0.9361	-51.5925
80	18.78	-0.04	-0.0574	8.0930	-0.0105	-0.0071	0.0039	1.1330	0.2126	0.9204	-77.6721
81	18.93	-0.03	0.0052	7.9843	-0.0001	-0.0023	0.0045	1.0992	0.2135	0.8857	-1361.6258
82	19.11	-0.04	0.1020	7.8403	-0.0100	-0.0041	0.0039	1.0717	0.2148	0.8308	68.0740
83	19.25	-0.03	0.1550	7.7681	-0.0078	-0.0107	0.0017	1.0496	0.2151	0.8345	42.6569
84	19.40	-0.03	0.2071	7.6803	-0.0075	-0.0129	0.0037	1.0339	0.2164	0.8175	32.6527
85	19.57	-0.04	0.2461	7.5400	-0.0151	-0.0044	0.0191	1.0185	0.2189	0.7996	26.3602
86	19.73	-0.04	0.2597	7.4100	-0.0124	-0.0070	0.0164	0.9812	0.2189	0.7643	17.2261
87	19.89	-0.03	0.4038	7.2855	-0.0040	-0.0033	0.0005	0.9639	0.2169	0.7470	15.0350
88	20.04	-0.04	0.5001	7.1803	-0.0042	-0.0004	0.0124	0.9301	0.2165	0.7136	11.5752
89	20.19	-0.04	0.5803	7.0717	-0.0111	-0.0074	0.0134	0.9132	0.2186	0.6546	9.6014
90	20.35	-0.04	0.6034	6.9554	-0.0011	-0.0102	0.0113	0.8812	0.2194	0.6617	8.1384
91	20.49	-0.04	0.6673	6.8375	-0.0067	-0.0116	0.0164	0.8623	0.2191	0.6432	7.6489
92	20.60	-0.05	0.7353	6.7057	-0.0055	-0.0036	0.0008	0.8465	0.2198	0.6267	6.8846

PAGE 1 OF 3
 SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIS-E PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
7 1.23 C.G.C 1.1 C.C 0 C.G.F.34 C.C 0 -30 0 -30 UNKNOWN											
PCINT	ALPHA	BETA	CL	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
93	20.80	-0.05	0.7065	4.5016	-0.0925	-0.0832	0.0776	0.8281	0.2207	0.6076	6.2769
94	20.90	-0.05	0.6941	4.4810	-0.0864	-0.0823	0.1425	0.8056	0.2207	0.5851	5.6771
95	21.13	-0.05	0.9169	4.5273	-0.1221	-0.0877	0.1102	0.7934	0.2211	0.5723	5.0414
96	21.28	-0.05	0.9070	4.4555	-0.0544	-0.1160	0.0844	0.7732	0.2223	0.5509	4.5186
97	21.44	-0.05	1.0712	4.2305	-0.0656	-0.0395	0.1168	0.7376	0.2236	0.5140	3.5550
98	21.60	-0.05	1.1245	4.0503	-0.1152	-0.0039	0.2009	0.7210	0.2232	0.4406	3.0511
99	21.75	-0.05	1.1655	3.9142	-0.0850	-0.0394	0.0974	0.7034	0.2249	0.4784	3.3006
100	21.91	-0.05	1.2105	3.8458	-0.0621	-0.0444	0.1426	0.6870	0.2249	0.4626	3.1759
101	22.06	-0.05	1.3036	3.6262	-0.0523	-0.0855	0.1039	0.6604	0.2250	0.4414	2.7833
102	22.22	-0.05	1.3037	3.4457	-0.1054	-0.0030	0.2200	0.6491	0.2275	0.4216	2.4931
103	22.37	-0.05	1.4219	3.3332	-0.0987	-0.0240	0.1166	0.6357	0.2279	0.4076	2.3441
104	22.52	-0.05	1.4542	3.1071	-0.1018	-0.0060	0.1104	0.6057	0.2260	0.3791	2.1200
105	22.67	-0.05	1.5572	3.0055	-0.2066	-0.0075	0.1814	0.5920	0.2300	0.3620	1.9303
106	22.81	-0.05	1.6017	2.8550	-0.1287	-0.0162	0.1424	0.5830	0.2296	0.3540	1.6070
107	22.95	-0.05	1.6013	2.7312	-0.1765	-0.0831	0.2006	0.5577	0.2297	0.3280	1.6440
108	23.10	-0.05	1.7520	2.5415	-0.1303	-0.0710	0.0975	0.5312	0.2301	0.3011	1.4508
109	23.24	-0.05	1.7579	2.4457	-0.0076	-0.0240	0.0719	0.5194	0.2318	0.2675	1.3603
110	23.40	-0.05	1.8010	2.3745	-0.0726	-0.0342	0.0912	0.5035	0.2314	0.2720	1.2762
111	23.54	-0.05	1.8853	2.3415	-0.0541	-0.0327	0.0784	0.4952	0.2314	0.2637	1.2420
112	23.58	-0.05	1.8950	2.2744	-0.0412	-0.0060	0.0333	0.4645	0.2303	0.2541	1.1973
113	23.58	-0.05	1.9257	2.1522	-0.0573	-0.0072	0.1425	0.4806	0.2319	0.2487	1.1391
114	23.55	-0.05	1.9502	2.1563	-0.0052	-0.0940	0.0719	0.4703	0.2303	0.2400	1.1262
115	23.59	-0.05	1.9447	2.1121	-0.0265	-0.1567	0.0142	0.4737	0.2299	0.2438	1.1172
116	23.50	-0.07	1.9060	2.2047	-0.1270	-0.0957	0.1047	0.4703	0.2290	0.2467	1.1443
117	23.58	-0.05	1.9580	2.1754	-0.1000	-0.0232	0.2319	0.4856	0.2312	0.2543	1.1110
118	23.50	-0.07	1.9447	2.2305	-0.1435	-0.1502	0.1355	0.4846	0.2290	0.2549	1.1610
119	23.58	-0.05	1.9455	2.1000	-0.0120	-0.1099	0.0526	0.4783	0.2300	0.2463	1.1205
120	23.58	-0.05	1.9477	2.2254	-0.0000	-0.1503	0.0400	0.4812	0.2290	0.2510	1.1426
121	23.58	-0.05	1.9774	2.1808	-0.0830	-0.0217	0.1230	0.4783	0.2313	0.2450	1.0957
122	23.50	-0.05	1.9515	2.2113	-0.0390	-0.0467	0.1421	0.4706	0.2300	0.2482	1.1331
123	23.50	-0.05	1.9330	2.2456	0.0301	-0.1278	0.0590	0.4823	0.2310	0.2512	1.1614
124	23.50	-0.05	1.9002	2.2251	-0.0054	-0.1123	0.0527	0.4806	0.2309	0.2499	1.1351
125	23.57	-0.05	1.9643	2.2170	-0.0305	-0.0117	0.1357	0.4823	0.2297	0.2525	1.1284
126	23.50	-0.07	1.9451	2.2030	-0.0011	-0.0852	0.0333	0.4754	0.2285	0.2409	1.1038
127	23.57	-0.05	1.9100	2.2854	-0.0355	-0.0332	0.1290	0.4833	0.2294	0.2538	1.1962
128	23.58	-0.05	1.9384	2.2003	-0.0640	-0.0642	0.1037	0.4899	0.2300	0.2542	1.1704
129	23.57	-0.05	1.9355	2.2007	-0.0185	-0.0183	0.1100	0.4850	0.2289	0.2580	1.1709
130	23.57	-0.05	1.9503	2.2217	-0.0314	-0.0315	0.1346	0.4848	0.2302	0.2545	1.1392
131	23.57	-0.05	1.9836	2.1520	-0.0570	-0.0254	0.0973	0.4720	0.2306	0.2414	1.0852
132	23.50	-0.05	2.0153	2.1551	-0.0050	-0.0594	0.1548	0.4717	0.2293	0.2424	1.0696
133	23.57	-0.05	1.9302	2.2113	-0.0145	-0.1581	0.0853	0.4851	0.2290	0.2560	1.1450
134	23.57	-0.05	1.9435	2.1446	-0.1047	-0.0710	0.1928	0.4797	0.2300	0.2451	1.1012
135	23.58	-0.05	1.9557	2.2003	-0.0102	-0.1342	0.0390	0.4884	0.2300	0.2577	1.1292
136	23.57	-0.07	1.9507	2.2555	-0.1000	-0.0624	0.1037	0.4901	0.2294	0.2606	1.1040
137	23.57	-0.05	1.9640	2.2430	-0.0350	-0.0055	0.1292	0.4800	0.2285	0.2515	1.1423
138	23.57	-0.07	1.9545	2.2003	-0.0421	-0.0060	0.1164	0.4834	0.2294	0.2539	1.1561

PAGE 1 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME				PHI	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 123 C-50 1.7				C-6	C-100F34	C-6	0	-30	0	-30	UNKNOWN
FLINT	ALPHA	BETA	CH	CLP	CY	CLN	CLL	CA	CAB	CAF	XCP
139	23.57	-0.07	1.9338	2.2052	-0.1215	0.0231	0.1290	0.4801	0.2302	0.2599	1.1406
140	23.57	-0.06	1.9382	2.2337	-0.0805	0.0288	0.1418	0.4817	0.2294	0.2522	1.1536
141	23.57	-0.06	1.9380	2.1504	-0.0194	-0.0712	0.0780	0.4751	0.2289	0.2462	1.0927
142	23.57	-0.06	1.9337	2.1461	-0.0315	-0.0488	0.0779	0.4752	0.2293	0.2459	1.0985
143	23.57	-0.07	1.9514	2.1705	-0.1068	0.0391	0.2164	0.4846	0.2506	0.2539	1.1125
144	23.57	-0.05	1.9357	2.1808	0.0227	-0.0362	0.1185	0.4799	0.2293	0.2506	1.1163
145	23.57	-0.06	1.9110	2.2321	-0.0155	-0.0743	0.1011	0.4912	0.2293	0.2618	1.1785
146	23.56	-0.06	1.9814	2.1988	-0.0558	-0.0058	0.1356	0.4820	0.2290	0.2524	1.1210
147	23.57	-0.06	1.9358	2.2672	-0.0854	-0.1259	0.0974	0.4818	0.2294	0.2523	1.1712
148	23.57	-0.06	1.9722	2.1754	-0.0045	-0.0552	0.1185	0.4750	0.2285	0.2465	1.1033
149	23.57	-0.06	1.9354	2.2773	-0.0072	-0.0961	0.1421	0.4848	0.2293	0.2554	1.1742
150	23.56	-0.06	1.9348	2.1771	0.0027	-0.1471	0.0990	0.4735	0.2286	0.2445	1.1137
151	23.57	-0.06	1.9153	2.2825	-0.0301	-0.0288	0.0524	0.4821	0.2293	0.2527	1.1894
152	23.57	-0.06	1.9240	2.2756	-0.0515	0.0621	0.1290	0.4835	0.2282	0.2552	1.1824
153	23.57	-0.05	1.9015	2.2671	0.0544	-0.1582	0.0207	0.4819	0.2281	0.2557	1.1920
154	23.57	-0.06	1.9527	2.1965	-0.0403	-0.0701	0.1291	0.4751	0.2277	0.2474	1.1334
155	23.57	-0.06	1.9425	2.2650	0.0042	-0.1297	0.1351	0.4823	0.2281	0.2541	1.1660
156	23.57	-0.07	1.9722	2.1357	-0.1338	0.0344	0.1100	0.4727	0.2297	0.2430	1.0826
157	23.57	-0.06	1.9300	2.2204	-0.0173	-0.0378	0.0269	0.4811	0.2293	0.2518	1.1504
158	23.57	-0.06	1.9459	2.2224	-0.0450	-0.1208	0.0398	0.4762	0.2281	0.2481	1.1421
159	23.57	-0.06	1.9378	2.2674	-0.1015	-0.0362	0.1420	0.4858	0.2281	0.2576	1.1391
160	23.57	-0.06	1.9464	2.1884	-0.0672	0.0390	0.0707	0.4843	0.2293	0.2549	1.1243
161	23.57	-0.05	1.9211	2.2557	0.0083	-0.0555	0.0781	0.4792	0.2281	0.2511	1.1659
162	23.57	-0.06	1.9718	2.1572	-0.1183	0.0081	0.1035	0.4861	0.2294	0.2387	1.0840
163	23.57	-0.06	1.9445	2.1917	-0.0542	0.0332	0.0587	0.4796	0.2281	0.2465	1.1271
164	23.56	-0.06	1.9335	2.2106	-0.0534	0.0415	0.1884	0.4762	0.2294	0.2468	1.1419
165	23.57	-0.06	1.9353	2.2377	-0.0638	-0.0614	0.1357	0.4810	0.2294	0.2516	1.1539
166	23.56	-0.05	1.9256	2.2617	-0.0628	-0.1382	0.0910	0.4794	0.2272	0.2522	1.1848
167	23.57	-0.05	1.9570	2.1586	0.0588	-0.1432	0.0335	0.4697	0.2294	0.2403	1.1235
168	23.57	-0.06	1.9453	2.2356	-0.1033	0.0812	0.0267	0.4785	0.2289	0.2476	1.1513
169	23.57	-0.05	1.9555	2.1788	-0.0322	-0.0590	0.0716	0.4723	0.2291	0.2432	1.1128
170	23.57	-0.05	1.9545	2.1825	-0.0173	0.0612	0.0714	0.4723	0.2278	0.2445	1.1064
171	23.57	-0.06	1.9579	2.2728	-0.0714	-0.0347	0.1036	0.4360	0.2306	0.2553	1.1976
172	23.56	-0.06	1.9148	2.1054	-0.0557	-0.0050	0.1185	0.4818	0.2281	0.2598	1.2040
173	23.56	-0.06	1.9225	2.2408	-0.0615	-0.1057	0.0653	0.4863	0.2282	0.2580	1.1661
174	23.57	-0.05	1.9333	2.2164	-0.0372	-0.1323	0.0384	0.4730	0.2281	0.2449	1.1464
175	23.56	-0.05	1.9188	2.2448	0.0183	-0.1163	0.0334	0.4847	0.2282	0.2564	1.1699
176	23.56	-0.06	1.9305	2.1718	-0.0125	-0.0543	0.0552	0.4748	0.2281	0.2467	1.1250
177	23.56	-0.05	1.9240	2.2854	-0.0287	-0.0663	0.0717	0.4813	0.2281	0.2532	1.1878
178	23.57	-0.05	1.9322	2.2154	-0.0325	-0.0694	0.0653	0.4748	0.2281	0.2465	1.1465
179	23.56	-0.05	1.9333	2.1334	-0.0575	-0.0648	0.0973	0.4713	0.2281	0.2432	1.1294
180	23.56	-0.05	1.9341	2.2148	-0.0208	-0.0924	0.0781	0.4763	0.2286	0.2477	1.1451
181	23.56	-0.05	1.9313	2.2031	-0.0444	-0.0358	0.0524	0.4748	0.2286	0.2462	1.1407
182	23.56	-0.06	1.9845	2.2301	-0.1242	-0.0608	0.1354	0.4795	0.2286	0.2569	1.1938
183	23.56	-0.06	1.9346	2.2140	-0.0614	0.0200	0.0707	0.4711	0.2294	0.2417	1.1444
184	23.57	-0.06	1.9388	2.1541	-0.1100	0.0625	0.0780	0.4730	0.2285	0.2445	1.1190

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	NACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	123	0.50	1.7	C.C	0.100-34	C.C	J	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	LN	LLN	CY	CLN	CLL	CA	CAB	CAF	XCP
185	23.56	-0.05	1.9311	2.2034	-0.0477	0.0030	0.0523	0.4732	0.2282	0.2450	1.1410
186	23.56	-0.06	1.9234	2.2375	-0.0657	-0.0151	0.0972	0.4731	0.2282	0.2449	1.1636
187	23.57	-0.05	1.9203	2.1531	-0.0557	0.0233	0.1099	0.4660	0.2276	0.2406	1.1421
188	23.56	-0.05	1.9226	2.1505	-0.0748	0.0045	0.0908	0.4673	0.2258	0.2375	1.1435
189	23.57	-0.05	1.9236	2.2621	-0.0642	-0.0371	0.0356	0.4707	0.2261	0.2426	1.1763
190	23.56	-0.05	1.9164	2.2356	-0.0481	0.0482	0.0843	0.4739	0.2261	0.2458	1.1723
191	25.21	-0.05	2.8545	1.0005	0.0754	-0.0091	0.0798	0.2751	0.2385	0.0406	0.3937
192	27.65	0.01	3.7170	-0.3427	0.9355	-0.3417	-0.0620	0.0512	0.2459	-0.1947	-0.0922
193	30.13	0.02	4.8421	-1.5163	1.0611	-2.7264	0.1915	-0.1516	0.2535	-0.4425	-0.3132
194	32.66	0.00	6.1587	-2.3804	1.6032	-3.8831	0.3002	-0.4120	0.2692	-0.6813	-0.3840
195	35.25	-0.05	7.4922	-3.5615	0.0040	0.0224	0.0216	-0.7810	0.2214	-1.0024	-0.4754
196	39.02	-0.01	9.0550	-4.1763	0.3031	-0.3574	0.3367	-0.8981	0.2451	-1.1432	-0.4612
197	44.34	-0.01	11.0055	-5.6175	0.3555	-0.6504	0.2607	-1.2124	0.2417	-1.4542	-0.5284
198	47.00	0.04	12.5646	-6.6660	0.3566	3.4174	-0.2220	-1.2501	0.2646	-1.5627	-0.5480
199	51.20	0.07	14.1204	-9.6388	1.0356	2.2603	0.1043	-1.2194	0.4602	-1.6857	-0.6826
200	49.21	-0.04	12.3441	-7.1551	-0.3051	3.4698	-0.0618	-1.3418	0.3238	-1.6656	-0.5796
201	47.13	-0.01	11.4056	-6.3575	0.6267	0.0695	0.1472	-1.2612	0.2643	-1.5655	-0.5574

PAGE 2 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		FACE X10 ⁻²		PHI	CNF	I	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		123 C-50 1.7		C.C	010CF34	0.0	0	-30	0	-30	UNKNOWN	
FLINT	ALPHA	BETA	CNF1	CH1	C61	ALPF1	YCPF1	CNF2	CH2	C62	XCPF2	YCPF2
1	5.23	-0.03	0.0265	0.0026	0.0155	0.1371	0.7749	-0.7501	-0.0288	-0.3707	0.0384	0.4942
2	5.23	-0.01	0.0160	0.0021	0.0151	0.1117	0.8136	-0.7396	-0.0288	-0.3651	0.0385	0.4936
3	5.23	-0.01	0.0153	0.0021	0.0136	0.1361	0.9027	-0.7406	-0.0289	-0.3653	0.0350	0.4932
4	5.50	-0.02	0.0159	0.0021	0.0136	0.1307	0.8673	-0.7367	-0.0296	-0.3638	0.0402	0.4935
5	5.60	-0.01	0.0136	0.0023	0.0135	0.1654	0.9752	-0.7336	-0.0309	-0.3629	0.0421	0.4946
6	5.66	-0.01	0.0063	0.0016	0.0165	0.2767	1.6520	-0.7349	-0.0314	-0.3627	0.0427	0.4935
7	6.05	-0.01	0.0076	0.0023	0.0113	0.3014	1.4897	-0.7276	-0.0324	-0.3584	0.0446	0.4926
8	6.27	-0.01	0.0052	0.0021	0.0106	0.4000	2.0334	-0.7326	-0.0324	-0.3598	0.0448	0.4911
9	6.40	-0.02	0.0020	0.0021	0.0075	1.0526	3.5909	-0.7326	-0.0332	-0.3557	0.0453	0.4905
10	6.68	-0.06	0.0040	0.0024	0.0068	0.5227	2.3583	-0.7265	-0.0336	-0.3559	0.0462	0.4895
11	6.85	-0.00	0.0072	0.0025	0.0127	0.4058	1.7641	-0.7216	-0.0336	-0.3526	0.0468	0.4887
12	7.05	-0.00	0.0036	0.0031	0.0113	0.4100	2.9392	-0.7246	-0.0339	-0.3534	0.0468	0.4878
13	7.27	-0.01	0.0023	0.0031	0.0089	1.3636	3.9302	-0.7194	-0.0354	-0.3501	0.0491	0.4867
14	7.46	-0.01	0.0007	0.0033	0.0111	4.5714	15.2509	-0.7077	-0.0351	-0.3450	0.0457	0.4875
15	7.65	-0.01	0.0054	0.0036	0.0130	0.7115	2.3584	-0.7027	-0.0358	-0.3424	0.0505	0.4873
16	7.84	-0.02	0.0044	0.0035	0.0091	0.8718	2.2313	-0.6983	-0.0362	-0.3397	0.0518	0.4865
17	8.03	-0.01	0.0001	0.0033	0.0064	0.3259	0.6377	-0.6916	-0.0365	-0.3366	0.0528	0.4867
18	8.20	-0.00	0.0015	0.0042	0.0111	2.0571	7.0025	-0.6872	-0.0367	-0.3343	0.0534	0.4866
19	8.36	-0.01	0.0023	0.0045	0.0104	1.5545	4.5351	-0.6817	-0.0373	-0.3301	0.0548	0.4843
20	8.50	-0.01	0.0059	0.0038	0.0080	0.6491	1.4003	-0.6830	-0.0376	-0.3289	0.0551	0.4816
21	8.75	-0.01	0.0022	0.0038	0.0072	0.4684	0.8714	-0.6807	-0.0375	-0.3280	0.0551	0.4815
22	8.91	-0.02	0.0071	0.0042	0.0068	0.5862	0.9384	-0.6785	-0.0376	-0.3265	0.0558	0.4811
23	9.09	-0.02	0.0012	0.0043	0.0057	0.3534	0.4731	-0.6776	-0.0372	-0.3252	0.0549	0.4800
24	9.28	-0.01	0.0084	0.0047	0.0075	0.5550	0.8084	-0.6737	-0.0366	-0.3245	0.0543	0.4816
25	9.45	-0.01	0.0053	0.0046	0.0070	0.4544	0.7511	-0.6690	-0.0351	-0.3216	0.0525	0.4807
26	9.61	-0.01	0.0013	0.0046	0.0068	0.4444	0.6651	-0.6651	-0.0349	-0.3201	0.0525	0.4813
27	9.81	-0.01	0.0080	0.0051	0.0077	0.6364	0.9589	-0.6591	-0.0349	-0.3173	0.0530	0.4815
28	9.96	-0.01	0.0060	0.0044	0.0047	0.2727	0.2915	-0.6518	-0.0359	-0.3128	0.0550	0.4798
29	10.16	-0.01	0.0056	0.0055	0.0093	0.9664	1.6035	-0.6426	-0.0343	-0.3093	0.0534	0.4814
30	10.34	-0.02	0.0013	0.0053	0.0073	0.5649	0.6915	-0.6366	-0.0320	-0.3183	0.0488	0.4852
31	10.51	-0.01	0.0071	0.0055	0.0081	0.7794	1.1444	-0.6337	-0.0323	-0.3171	0.0455	0.4851
32	10.67	-0.01	0.0011	0.0056	0.0073	0.5773	0.7200	-0.6646	-0.0332	-0.3235	0.0499	0.4667
33	10.86	-0.02	0.0084	0.0053	0.0075	0.6256	0.8869	-0.6468	-0.0335	-0.3147	0.0518	0.4666
34	11.04	-0.02	0.0035	0.0057	0.0103	1.0170	2.4051	-0.6034	-0.0334	-0.3134	0.0526	0.4867
35	11.21	-0.03	0.0050	0.0060	0.0137	1.2063	2.7437	-0.6410	-0.0345	-0.3118	0.0545	0.4665
36	11.36	-0.01	0.0044	0.0072	0.0092	1.0424	2.1142	-0.6836	-0.0345	-0.3358	0.0563	0.4612
37	11.56	-0.02	0.0040	0.0077	0.0093	1.9474	2.3630	-0.6847	-0.0385	-0.3365	0.0562	0.4921
38	11.71	-0.02	0.0021	0.0074	0.0104	0.5500	0.9086	-0.6758	-0.0383	-0.3324	0.0566	0.4518
39	11.86	-0.02	0.0040	0.0081	0.0130	2.0526	3.2820	-0.6723	-0.0386	-0.3315	0.0574	0.4936
40	12.05	-0.02	0.0016	0.0078	0.0121	0.0000	7.7824	-0.6040	-0.0390	-0.3273	0.0587	0.4926
41	12.22	-0.03	0.0034	0.0086	0.0090	1.5657	2.8116	-0.6623	-0.0385	-0.3271	0.0581	0.4536
42	12.39	-0.03	0.0021	0.0072	0.0103	0.4500	0.9367	-0.6544	-0.0384	-0.3236	0.0594	0.4944
43	12.57	-0.02	0.0024	0.0071	0.0095	2.5565	3.9909	-0.6467	-0.0388	-0.3193	0.0600	0.4937
44	12.75	-0.02	0.0015	0.0071	0.0107	0.2657	7.3404	-0.6405	-0.0392	-0.3167	0.0612	0.4545
45	12.89	-0.02	0.0024	0.0065	0.0090	2.8696	4.0343	-0.6311	-0.0387	-0.3121	0.0613	0.4546
46	13.06	-0.02	0.0100	0.0060	0.0151	0.7414	1.4006	-0.6254	-0.0390	-0.3094	0.0623	0.4548

PAGE 2 OF 3
 SHEET 2 OF 5

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIO-E				PHI	CORF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 123 C.60 1.7				C.C	840P34	C.C	0	-30	0	-30	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CM1	CB1	XCFF1	YCPF1	CNF2	CM2	CB2	XCFF2	YCPF2
47	13.28	-0.01	0.0061	0.0078	0.0129	1.2712	2.0969	-0.6143	-0.0390	-0.3039	0.0635	0.4548
48	13.41	-0.02	0.0071	0.0078	0.0133	1.1029	1.0781	-0.6153	-0.0392	-0.3048	0.0637	0.4553
49	13.58	-0.01	0.0	0.0068	0.0108	0.0068	0.0106	-0.6075	-0.0394	-0.3010	0.0649	0.4555
50	13.76	-0.02	0.0071	0.0075	0.0135	1.0588	1.4074	-0.6002	-0.0395	-0.2975	0.0658	0.4557
51	13.91	-0.02	0.0052	0.0075	0.0124	1.4400	2.3945	-0.5963	-0.0400	-0.2948	0.0671	0.4544
52	14.10	-0.02	0.0112	0.0080	0.0155	0.7130	1.3765	-0.5865	-0.0399	-0.2915	0.0678	0.4553
53	14.25	-0.03	0.0045	0.0071	0.0116	1.5814	2.5587	-0.5883	-0.0411	-0.2917	0.0698	0.4555
54	14.41	-0.03	0.0100	0.0071	0.0145	0.7683	1.4550	-0.5806	-0.0407	-0.2872	0.0700	0.4548
55	14.59	-0.02	0.0017	0.0061	0.0106	3.6875	6.3835	-0.5816	-0.0415	-0.2898	0.0713	0.4583
56	14.76	-0.02	0.0072	0.0065	0.0132	0.5505	1.8304	-0.5776	-0.0416	-0.2877	0.0720	0.4579
57	14.93	-0.03	0.0065	0.0068	0.0142	0.7527	1.6665	-0.5726	-0.0417	-0.2864	0.0728	0.5002
58	15.11	-0.03	0.0073	0.0071	0.0128	0.4714	1.7331	-0.5668	-0.0425	-0.2852	0.0750	0.5032
59	15.28	-0.03	0.0100	0.0065	0.0140	0.6875	1.4654	-0.5656	-0.0427	-0.2846	0.0756	0.5031
60	15.44	-0.03	0.0153	0.0060	0.0164	0.4140	0.4444	-0.5609	-0.0434	-0.2836	0.0773	0.5056
61	15.61	-0.04	0.0095	0.0065	0.0143	0.7233	1.5136	-0.5553	-0.0435	-0.2812	0.0783	0.5064
62	15.79	-0.04	0.0081	0.0061	0.0160	0.3842	0.9289	-0.5507	-0.0435	-0.2803	0.0789	0.5085
63	15.95	-0.05	0.0064	0.0060	0.0126	0.9355	1.9472	-0.5448	-0.0434	-0.2798	0.0796	0.5135
64	16.12	-0.03	0.0021	0.0075	0.0197	0.3588	0.8900	-0.5396	-0.0440	-0.2776	0.0815	0.5144
65	16.28	-0.04	0.0068	0.0071	0.0164	0.4408	1.0371	-0.5336	-0.0437	-0.2746	0.0818	0.5146
66	16.44	-0.03	0.0068	0.0055	0.0134	0.8769	1.9001	-0.5274	-0.0436	-0.2723	0.0826	0.5164
67	16.61	-0.03	0.0110	0.0062	0.0145	0.5660	1.3554	-0.5145	-0.0434	-0.2672	0.0843	0.5154
68	16.76	-0.03	0.0164	0.0063	0.0181	0.3801	1.0988	-0.5038	-0.0436	-0.2631	0.0865	0.5222
69	16.94	-0.04	0.0263	0.0064	0.0211	0.3176	0.7943	-0.4994	-0.0433	-0.2612	0.0885	0.5225
70	17.12	-0.03	0.0168	0.0047	0.0161	0.4327	1.4370	-0.4926	-0.0429	-0.2586	0.0872	0.5256
71	17.28	-0.03	0.0130	0.0055	0.0166	0.3985	1.2003	-0.4853	-0.0433	-0.2544	0.0851	0.5241
72	17.45	-0.04	0.0287	0.0078	0.0228	0.2717	0.7953	-0.4785	-0.0450	-0.2539	0.0944	0.5325
73	17.62	-0.05	0.0278	0.0077	0.0226	0.2772	0.8146	-0.4524	-0.0443	-0.2431	0.0979	0.5373
74	17.76	-0.04	0.0184	0.0062	0.0184	0.3390	1.0259	-0.4492	-0.0443	-0.2408	0.0986	0.5360
75	17.94	-0.03	0.0307	0.0077	0.0235	0.2508	0.7677	-0.4362	-0.0441	-0.2326	0.1015	0.5357
76	18.11	-0.04	0.0244	0.0066	0.0217	0.2081	0.6873	-0.4262	-0.0441	-0.2271	0.1034	0.5328
77	18.27	-0.04	0.0252	0.0066	0.0236	0.2313	0.8131	-0.4162	-0.0440	-0.2220	0.1057	0.5334
78	18.45	-0.04	0.0244	0.0072	0.0256	0.2063	0.7906	-0.4040	-0.0439	-0.2147	0.1086	0.5315
79	18.61	-0.03	0.0226	0.0051	0.0214	0.2258	0.9471	-0.3951	-0.0437	-0.2102	0.1105	0.5315
80	18.76	-0.04	0.0336	0.0075	0.0257	0.1890	0.7409	-0.3848	-0.0442	-0.2031	0.1149	0.5281
81	18.93	-0.05	0.0344	0.0066	0.0260	0.1903	0.7566	-0.3681	-0.0433	-0.1948	0.1175	0.5293
82	19.11	-0.04	0.0302	0.0063	0.0243	0.2103	0.8051	-0.3561	-0.0433	-0.1892	0.1208	0.5284
83	19.25	-0.05	0.0287	0.0055	0.0241	0.1920	0.8387	-0.3454	-0.0424	-0.1824	0.1228	0.5280
84	19.40	-0.05	0.0436	0.0065	0.0325	0.1575	0.7548	-0.3384	-0.0426	-0.1775	0.1267	0.5248
85	19.57	-0.04	0.0180	0.0043	0.0172	0.2370	0.9374	-0.3171	-0.0411	-0.1681	0.1295	0.5255
86	19.73	-0.04	0.0467	0.0068	0.0345	0.1448	0.7400	-0.3144	-0.0417	-0.1666	0.1326	0.5255
87	19.89	-0.05	0.0434	0.0057	0.0316	0.1315	0.7297	-0.3012	-0.0404	-0.1599	0.1343	0.5307
88	20.04	-0.04	0.0420	0.0065	0.0353	0.1424	0.7343	-0.2856	-0.0402	-0.1524	0.1409	0.5335
89	20.19	-0.04	0.0276	0.0045	0.0245	0.1623	0.8885	-0.2724	-0.0386	-0.1463	0.1416	0.5365
90	20.35	-0.04	0.0562	0.0078	0.0380	0.1386	0.6750	-0.2614	-0.0364	-0.1395	0.1468	0.5338
91	20.49	-0.04	0.0476	0.0068	0.0350	0.1419	0.7341	-0.2503	-0.0383	-0.1343	0.1529	0.5368
92	20.66	-0.05	0.0367	0.0043	0.0248	0.1390	0.8083	-0.2382	-0.0364	-0.1242	0.1528	0.5422

FACE 2 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

PLANT	TEST PART NAME		PHI	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION			
	1	123	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF
PLANT	ALPHA	BETA	CONF1	CONF1	CONF1	CONF1	CONF1	CONF1	CONF1	CONF1	CONF1	CONF1
93	20.00	-0.05	0.0540	0.0528	0.0570	0.1252	0.6863	-0.2361	-0.0305	-0.1268	0.1546	0.5365
94	20.90	-0.05	0.0530	0.0500	0.0551	0.1257	0.7391	-0.2239	-0.0357	-0.1212	0.1553	0.5413
95	21.13	-0.05	0.0547	0.0545	0.0564	0.1031	0.7680	-0.2173	-0.0347	-0.1182	0.1558	0.5437
96	21.20	-0.05	0.0509	0.0531	0.0580	0.1010	0.6970	-0.2014	-0.0329	-0.1104	0.1631	0.5461
97	21.44	-0.05	0.0200	0.0531	0.0520	0.1563	1.1016	-0.1842	-0.0319	-0.1021	0.1733	0.5540
98	21.50	-0.05	0.0019	0.0500	0.0500	0.1092	0.7512	-0.1880	-0.0324	-0.1014	0.1738	0.5431
99	21.75	-0.06	0.0665	0.0072	0.0450	0.1073	0.6327	-0.1751	-0.0307	-0.0960	0.1752	0.5480
100	21.91	-0.05	0.0497	0.0048	0.0355	0.1062	0.7953	-0.1701	-0.0306	-0.0941	0.1767	0.5531
101	22.00	-0.05	0.0250	0.0021	0.0200	0.0815	1.0383	-0.1430	-0.0271	-0.0818	0.1858	0.5725
102	22.22	-0.06	0.0500	0.0040	0.0420	0.0900	0.6380	-0.1400	-0.0273	-0.0820	0.1851	0.5666
103	22.37	-0.05	0.0363	0.0031	0.0311	0.0860	0.8576	-0.1273	-0.0246	-0.0737	0.1938	0.5787
104	22.52	-0.05	0.0500	0.0037	0.0353	0.0730	0.7733	-0.1212	-0.0241	-0.0700	0.1950	0.5627
105	22.67	-0.06	0.0269	0.0012	0.0270	0.0472	1.0449	-0.1075	-0.0219	-0.0647	0.2041	0.6021
106	22.81	-0.05	0.0493	0.0035	0.0351	0.0717	0.7335	-0.1060	-0.0214	-0.0632	0.2010	0.5928
107	22.95	-0.06	0.0301	0.0020	0.0305	0.0515	0.9541	-0.0912	-0.0188	-0.0562	0.2064	0.6166
108	23.10	-0.05	0.0420	0.0037	0.0345	0.0878	0.8105	-0.0769	-0.0175	-0.0492	0.2270	0.6391
109	23.24	-0.04	0.0500	0.0010	0.0500	0.0500	0.8502	-0.0678	-0.0154	-0.0450	0.2270	0.6641
110	23.40	-0.05	0.0179	0.0015	0.0170	0.1047	0.9977	-0.0508	-0.0138	-0.0398	0.2436	0.7017
111	23.54	-0.06	0.0114	0.0010	0.0150	0.0909	1.3152	-0.0507	-0.0128	-0.0376	0.2520	0.7401
112	23.50	-0.06	0.0175	0.0000	0.0101	0.0349	1.0093	-0.0500	-0.0124	-0.0372	0.2444	0.7355
113	23.50	-0.06	0.0241	0.0014	0.0255	0.0560	1.0575	-0.0437	-0.0110	-0.0337	0.2524	0.7720
114	23.55	-0.05	0.0254	0.0014	0.0253	0.0455	0.8002	-0.0420	-0.0105	-0.0328	0.2556	0.7804
115	23.55	-0.05	0.0057	0.0005	0.0052	0.0505	1.0145	-0.0356	-0.0091	-0.0300	0.2573	0.8431
116	23.50	-0.07	0.0374	0.0016	0.0357	0.0417	0.9007	-0.0527	-0.0120	-0.0376	0.2387	0.7124
117	23.50	-0.06	0.0041	0.0005	0.0035	0.0532	0.7597	-0.0691	-0.0137	-0.0450	0.1985	0.6511
118	23.58	-0.07	0.0208	0.0038	0.0201	0.1434	0.9745	-0.0489	-0.0122	-0.0370	0.2489	0.7578
119	23.50	-0.06	0.0073	0.0010	0.0110	0.1857	1.5108	-0.0397	-0.0103	-0.0321	0.2552	0.8071
120	23.50	-0.05	0.0217	0.0012	0.0200	0.0574	0.9500	-0.0442	-0.0100	-0.0340	0.2400	0.7700
121	23.50	-0.06	0.0425	0.0017	0.0342	0.0351	0.8050	-0.0475	-0.0111	-0.0345	0.2341	0.7270
122	23.50	-0.06	0.0234	0.0012	0.0242	0.0553	1.0332	-0.0447	-0.0105	-0.0337	0.2349	0.7541
123	23.50	-0.05	0.0125	0.0002	0.0154	0.0112	1.0482	-0.0474	-0.0105	-0.0358	0.2215	0.7545
124	23.58	-0.06	0.0105	0.0007	0.0120	0.0693	1.1953	-0.0403	-0.0098	-0.0323	0.2423	0.7967
125	23.57	-0.06	0.0302	0.0023	0.0276	0.0759	0.9152	-0.0441	-0.0108	-0.0337	0.2453	0.7648
126	23.50	-0.07	0.0010	0.0015	0.0035	0.0675	0.8055	-0.0477	-0.0112	-0.0360	0.2353	0.7543
127	23.57	-0.06	0.0302	0.0015	0.0276	0.0612	0.9095	-0.0527	-0.0117	-0.0361	0.2225	0.7222
128	23.50	-0.06	0.0253	0.0015	0.0270	0.0315	0.9199	-0.0555	-0.0113	-0.0395	0.2041	0.7116
129	23.57	-0.06	0.0185	0.0007	0.0220	0.0393	1.2331	-0.0483	-0.0106	-0.0363	0.2194	0.7510
130	23.57	-0.05	0.0345	0.0010	0.0325	0.0452	0.9340	-0.0536	-0.0115	-0.0367	0.2147	0.7198
131	23.57	-0.06	0.0282	0.0002	0.0250	0.0701	0.8873	-0.0420	-0.0097	-0.0323	0.2302	0.7680
132	23.50	-0.06	0.0315	0.0017	0.0300	0.0520	0.9510	-0.0474	-0.0108	-0.0345	0.2281	0.7352
133	23.57	-0.06	0.0182	0.0005	0.0203	0.0514	1.1174	-0.0473	-0.0107	-0.0355	0.2264	0.7455
134	23.57	-0.06	0.0331	0.0015	0.0320	0.0440	0.9726	-0.0474	-0.0106	-0.0349	0.2237	0.7352
135	23.58	-0.06	0.0164	0.0005	0.0153	0.0318	1.1745	-0.0473	-0.0105	-0.0357	0.2220	0.7543
136	23.57	-0.07	0.0082	0.0007	0.0145	0.0800	1.0180	-0.0463	-0.0110	-0.0364	0.2280	0.7531
137	23.57	-0.06	0.0275	0.0016	0.0263	0.0560	0.9456	-0.0474	-0.0108	-0.0348	0.2281	0.7330
138	23.57	-0.07	0.0367	0.0015	0.0322	0.0357	0.9762	-0.0527	-0.0116	-0.0361	0.2209	0.7222

PAGE 2 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME		PRF CNF		L		CEL1	CEL2	CEL3	DEL4	TRANSITION		
7		125 C-50 1.7		C.C. 010CF34 C.0		0	-30	0	-30	UNKNOWN		
PCINT	ALPHA	BETA	CNF1	CH1	CL1	XCPF1	YCPF1	CNF2	CH2	CL2	XCPF2	YCPF2
139	23.57	-0.07	0.0248	0.0007	0.0245	0.0293	0.9769	-0.0464	-0.0104	-0.0343	0.2242	0.7465
140	23.57	-0.06	0.0478	0.0022	0.0388	0.0457	0.0112	-0.0512	-0.0110	-0.0366	0.2154	0.7158
141	23.57	-0.06	0.0387	0.0015	0.0324	0.0484	0.8586	-0.0474	-0.0105	-0.0348	0.2215	0.7330
142	23.57	-0.06	0.0127	0.0006	0.0117	0.0492	1.3984	-0.0420	-0.0055	-0.0318	0.2351	0.7582
143	23.57	-0.07	0.0550	0.0028	0.0447	0.0359	0.0129	-0.0620	-0.0124	-0.0418	0.1997	0.6748
144	23.57	-0.05	0.0265	0.0018	0.0260	0.0000	0.9865	-0.0485	-0.0111	-0.0354	0.2296	0.7301
145	23.57	-0.06	0.0531	0.0020	0.0440	0.0372	0.0279	-0.0647	-0.0127	-0.0433	0.1961	0.6685
146	23.56	-0.06	0.0423	0.0010	0.0365	0.0240	0.0538	-0.0599	-0.0116	-0.0412	0.1944	0.6877
147	23.57	-0.06	0.0224	0.0008	0.0241	0.0372	1.0766	-0.0528	-0.0108	-0.0374	0.2047	0.7050
148	23.57	-0.06	0.0315	0.0018	0.0295	0.0501	0.9483	-0.0490	-0.0107	-0.0355	0.2187	0.7325
149	23.57	-0.06	0.0464	0.0025	0.0382	0.0538	0.8232	-0.0567	-0.0115	-0.0408	0.2018	0.6540
150	23.56	-0.06	0.0261	0.0016	0.0252	0.0598	0.9854	-0.0485	-0.0103	-0.0349	0.2195	0.7433
151	23.57	-0.06	0.0178	0.0008	0.0175	0.0468	1.0094	-0.0457	-0.0107	-0.0335	0.2341	0.7324
152	23.57	-0.06	0.0417	0.0020	0.0363	0.0474	0.8768	-0.0588	-0.0121	-0.0390	0.2132	0.6858
153	23.57	-0.05	0.0075	0.0011	0.0128	0.1528	1.6074	-0.0526	-0.0122	-0.0381	0.2312	0.7238
154	23.57	-0.06	0.0495	0.0023	0.0405	0.0458	0.8187	-0.0604	-0.0127	-0.0406	0.2100	0.6714
155	23.57	-0.06	0.0321	0.0018	0.0301	0.0485	0.9364	-0.0560	-0.0125	-0.0385	0.2226	0.6541
156	23.57	-0.07	0.0310	0.0015	0.0288	0.0470	0.9241	-0.0491	-0.0112	-0.0356	0.2288	0.7250
157	23.57	-0.06	0.0105	0.0010	0.0124	0.0552	1.1763	-0.0476	-0.0106	-0.0339	0.2227	0.7123
158	23.57	-0.06	0.0132	0.0014	0.0158	0.1024	1.1784	-0.0403	-0.0102	-0.0313	0.2526	0.7768
159	23.57	-0.06	0.0425	0.0022	0.0376	0.0513	0.8831	-0.0534	-0.0119	-0.0383	0.2201	0.7107
160	23.57	-0.06	0.0350	0.0021	0.0306	0.0593	0.8134	-0.0535	-0.0115	-0.0388	0.2164	0.7274
161	23.57	-0.05	0.0335	0.0012	0.0252	0.0573	0.8767	-0.0565	-0.0120	-0.0382	0.2195	0.7007
162	23.57	-0.06	0.0485	0.0021	0.0385	0.0429	0.7943	-0.0488	-0.0110	-0.0348	0.2270	0.7157
163	23.57	-0.06	0.0177	0.0012	0.0201	0.0706	1.1386	-0.0404	-0.0097	-0.0317	0.2351	0.7648
164	23.56	-0.06	0.0447	0.0008	0.0270	0.0330	1.0899	-0.0457	-0.0107	-0.0344	0.2341	0.7528
165	23.57	-0.06	0.0284	0.0017	0.0283	0.0586	0.9977	-0.0501	-0.0111	-0.0366	0.2220	0.7307
166	23.56	-0.05	0.0143	0.0007	0.0220	0.0378	1.1372	-0.0500	-0.0117	-0.0367	0.2345	0.7343
167	23.57	-0.05	0.0175	0.0008	0.0175	0.0349	1.0035	-0.0410	-0.0102	-0.0311	0.2487	0.7551
168	23.57	-0.06	0.0068	0.0007	0.0117	0.1111	1.7896	-0.0441	-0.0108	-0.0335	0.2453	0.7695
169	23.57	-0.05	0.0242	0.0005	0.0230	0.0386	0.9506	-0.0479	-0.0111	-0.0345	0.2321	0.7207
170	23.57	-0.05	0.0243	0.0012	0.0221	0.0615	1.0898	-0.0473	-0.0110	-0.0351	0.2330	0.7412
171	23.57	-0.06	0.0247	0.0005	0.0245	0.0378	1.0061	-0.0528	-0.0114	-0.0380	0.2165	0.7188
172	23.56	-0.06	0.0242	0.0008	0.0246	0.0285	1.0119	-0.0604	-0.0126	-0.0417	0.2083	0.6903
173	23.56	-0.06	0.0154	0.0005	0.0154	0.0333	1.2606	-0.0533	-0.0115	-0.0385	0.2164	0.7216
174	23.57	-0.05	0.0165	0.0008	0.0160	0.0505	1.1483	-0.0442	-0.0105	-0.0332	0.2376	0.7512
175	23.56	-0.05	0.0103	0.0002	0.0152	0.0202	1.4815	-0.0442	-0.0102	-0.0334	0.2306	0.7559
176	23.56	-0.06	0.0234	0.0011	0.0247	0.0493	1.0048	-0.0498	-0.0109	-0.0362	0.2201	0.7300
177	23.56	-0.05	0.0141	0.0008	0.0182	0.0441	1.2838	-0.0539	-0.0117	-0.0388	0.2181	0.7204
178	23.57	-0.05	0.0202	0.0018	0.0203	0.0676	1.0080	-0.0437	-0.0104	-0.0332	0.2381	0.7602
179	23.56	-0.05	0.0054	0.0006	0.0138	0.1154	2.5519	-0.0436	-0.0106	-0.0335	0.2434	0.7691
180	23.56	-0.05	0.0252	0.0011	0.0277	0.0391	0.9460	-0.0508	-0.0112	-0.0371	0.2218	0.7334
181	23.56	-0.05	0.0204	0.0007	0.0215	0.0357	1.0741	-0.0529	-0.0114	-0.0371	0.2161	0.7017
182	23.56	-0.06	0.0151	0.0005	0.0204	0.0345	1.3355	-0.0474	-0.0111	-0.0349	0.2346	0.7352
183	23.56	-0.06	0.0175	0.0015	0.0191	0.0633	1.0927	-0.0420	-0.0102	-0.0328	0.2428	0.7804
184	23.57	-0.06	0.0140	0.0012	0.0168	0.0889	1.1825	-0.0409	-0.0105	-0.0316	0.2578	0.7743

PAGE 2 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		AXIS		PRT		CONF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION				
1		123		0.96		1.7		C.C		0.14		0.36		C.C		0		-30		UNKNOWN				
FLINT	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8	CONF9	CONF10	CONF11	CONF12	CONF13	CONF14	CONF15	CONF16	CONF17	CONF18	CONF19	CONF20	CONF21	CONF22
185	23.56	-0.05	0.0021	0.0012	0.0005	0.8500	0.0385	-0.0365	-0.0100	-0.0302	0.2735	0.8272												
186	23.56	-0.05	0.0026	0.0015	0.0005	0.8500	0.0385	-0.0365	-0.0122	-0.0365	0.2407	0.7308												
187	23.57	-0.05	0.0027	0.0017	0.0007	0.8500	0.0385	-0.0363	-0.0113	-0.0362	0.2445	0.7399												
188	23.56	-0.05	0.0025	0.0016	0.0006	0.8500	0.0385	-0.0367	-0.0097	-0.0295	0.2635	0.8027												
189	23.57	-0.05	0.0026	0.0016	0.0006	0.8500	0.0385	-0.0376	-0.0105	-0.0303	0.2673	0.8046												
190	23.56	-0.05	0.0025	0.0016	0.0006	0.8500	0.0385	-0.0379	-0.0112	-0.0300	0.2680	0.7873												
191	25.21	-0.05	0.0025	0.0016	0.0006	0.8500	0.0385	-0.0379	-0.0112	-0.0300	0.2680	0.7873												
192	27.65	0.01	0.0022	0.0013	0.0003	0.8500	0.0385	-0.0352	0.0461	0.1047	0.2047	0.4450												
193	30.13	0.02	0.0023	0.0013	0.0003	0.8500	0.0385	-0.0351	0.0451	0.1047	0.2047	0.4450												
194	32.60	0.08	0.0026	0.0016	0.0006	0.8500	0.0385	-0.0365	0.0735	0.2283	0.1677	0.5207												
195	35.25	-0.05	-0.0016	-0.0010	0.0012	0.8500	0.0385	-0.0365	0.0735	0.2283	0.1677	0.5207												
196	39.02	-0.01	0.0020	0.0012	0.0002	0.8500	0.0385	-0.0365	0.0735	0.2283	0.1677	0.5207												
197	44.34	-0.01	0.0025	0.0015	0.0005	0.8500	0.0385	-0.0365	0.0735	0.2283	0.1677	0.5207												
198	47.60	0.04	-0.0025	-0.0012	-0.0002	0.8500	0.0385	-0.0365	0.0735	0.2283	0.1677	0.5207												
199	51.20	0.07	-0.0026	-0.0015	-0.0005	0.8500	0.0385	-0.0365	0.0735	0.2283	0.1677	0.5207												
200	49.21	-0.04	-0.0021	-0.0010	-0.0001	0.8500	0.0385	-0.0365	0.0735	0.2283	0.1677	0.5207												
201	47.13	0.01	-0.0023	-0.0010	-0.0001	0.8500	0.0385	-0.0365	0.0735	0.2283	0.1677	0.5207												

FACE 3 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AX10-6			PHI CONF		DEL1 DEL2		DEL3 DEL4		TRANSITION			
7 123 G.90 1.7			C.C 0100F34		O.C		U -30		U -30 UNKNOWN			
PCINT	ALPHA	BETA	CnF3	Cn3	Co3	XCFF3	YCFF3	CnF4	Cn4	Co4	XCFF4	YCFF4
1	5.23	-0.03	C.C256	5.9955	0.0213	5.9999	0.8214	-0.7140	-0.0322	-0.3840	0.0451	0.5379
2	5.23	-0.04	C.C213	5.9955	0.0156	5.9955	0.5149	-0.7139	-0.0324	-0.3834	0.0454	0.5371
3	5.23	-0.01	C.C201	5.9955	0.0201	5.9955	0.9488	-0.7113	-0.0326	-0.3826	0.0459	0.5375
4	5.50	-0.02	C.C233	5.9955	0.0204	5.9955	0.8775	-0.7025	-0.0332	-0.3782	0.0472	0.5384
5	5.00	-0.01	C.C228	5.9955	0.0204	5.9959	0.8775	-0.6997	-0.0336	-0.3762	0.0483	0.5376
6	5.00	-0.01	C.C215	5.9955	0.0175	5.9959	1.1107	-0.7044	-0.0342	-0.3777	0.0486	0.5362
7	6.05	-0.01	C.C215E	5.9955	0.0193	5.9955	0.9767	-0.7063	-0.0354	-0.3754	0.0501	0.5358
8	6.27	-0.01	C.C218E	5.9955	0.0190	5.9959	1.0433	-0.7022	-0.0359	-0.3759	0.0511	0.5353
9	6.48	-0.02	C.C2125	5.9955	0.0165	5.9955	1.3552	-0.6983	-0.0365	-0.3736	0.0523	0.5350
10	6.00	-0.00	C.C217	5.9955	0.0206	5.9959	0.9500	-0.6884	-0.0369	-0.3688	0.0536	0.5354
11	6.09	-0.00	C.C2258	5.9955	0.0214	5.9959	0.8489	-0.6670	-0.0375	-0.3677	0.0546	0.5353
12	7.05	-0.00	C.C242	5.9955	0.0223	5.9955	0.9200	-0.6840	-0.0389	-0.3648	0.0559	0.5334
13	7.27	-0.01	C.C232	5.9955	0.0220	5.9955	0.9485	-0.6753	-0.0387	-0.3606	0.0573	0.5340
14	7.40	-0.01	C.C247	5.9955	0.0220	5.9955	0.8507	-0.6607	-0.0387	-0.3630	0.0588	0.5332
15	7.65	-0.01	C.C288	5.9955	0.0245	5.9955	0.8500	-0.6726	-0.0390	-0.3582	0.0580	0.5326
16	7.04	-0.02	C.C202	5.9955	0.0204	5.9959	1.0131	-0.6747	-0.0396	-0.3583	0.0587	0.5311
17	8.03	-0.01	C.C2177	5.9955	0.0190	5.9959	1.0740	-0.6746	-0.0397	-0.3577	0.0589	0.5302
18	8.20	-0.00	C.C224	5.9955	0.0238	5.9955	0.8305	-0.6688	-0.0405	-0.3523	0.0608	0.5283
19	8.38	-0.01	C.C225	5.9955	0.0237	5.9959	0.8163	-0.6690	-0.0409	-0.3516	0.0611	0.5255
20	8.56	-0.01	C.C237	5.9955	0.0220	5.9955	0.9277	-0.6640	-0.0410	-0.3465	0.0625	0.5212
21	8.73	-0.01	C.C288	5.9955	0.0247	5.9955	0.8572	-0.6691	-0.0414	-0.3468	0.0618	0.5183
22	8.51	-0.02	C.C288	5.9955	0.0227	5.9955	0.8405	-0.6641	-0.0416	-0.3421	0.0626	0.5152
23	9.09	-0.02	C.C217	5.9955	0.0207	5.9955	0.9540	-0.6608	-0.0427	-0.3378	0.0647	0.5112
24	9.20	-0.01	C.C240	5.9955	0.0221	5.9955	0.8392	-0.6613	-0.0426	-0.3379	0.0648	0.5105
25	9.43	-0.01	C.C187	5.9955	0.0194	5.9955	1.0365	-0.6614	-0.0426	-0.3368	0.0645	0.5093
26	9.61	-0.01	C.C203	5.9955	0.0201	5.9955	0.9420	-0.6550	-0.0422	-0.3334	0.0644	0.5086
27	9.61	-0.01	C.C237	5.9955	0.0217	5.9955	0.9146	-0.6542	-0.0418	-0.3332	0.0635	0.5093
28	9.50	-0.01	C.C172	5.9955	0.0192	5.9959	1.1107	-0.6504	-0.0431	-0.3352	0.0611	0.5104
29	10.16	-0.01	C.C250	5.9955	0.0214	5.9959	0.8364	-0.6550	-0.0411	-0.3339	0.0628	0.5106
30	10.34	-0.02	C.C182	5.9955	0.0178	5.9955	1.1000	-0.6534	-0.0432	-0.3370	0.0584	0.5159
31	10.51	-0.01	C.C148	5.9955	0.0162	5.9955	1.0981	-0.6563	-0.0436	-0.3410	0.0574	0.5198
32	10.67	-0.01	C.C152	5.9955	0.0165	5.9959	1.0695	-0.6590	-0.0433	-0.3408	0.0571	0.5211
33	10.66	-0.02	C.C137	5.9955	0.0164	5.9955	1.1542	-0.6663	-0.0432	-0.3479	0.0555	0.5222
34	11.04	-0.03	C.C174	5.9955	0.0175	5.9959	1.0097	-0.6717	-0.0434	-0.3517	0.0571	0.5236
35	11.21	-0.03	C.C175	5.9955	0.0178	5.9959	0.9801	-0.6821	-0.0416	-0.3573	0.0610	0.5238
36	11.30	-0.01	C.C215	5.9955	0.0190	5.9959	0.9032	-0.6600	-0.0434	-0.3458	0.0612	0.5233
37	11.54	-0.02	C.C270	5.9955	0.0222	5.9959	0.8212	-0.6464	-0.0401	-0.3389	0.0621	0.5243
38	11.71	-0.02	C.C235	5.9955	0.0210	5.9959	0.8703	-0.6614	-0.0416	-0.3401	0.0632	0.5264
39	11.89	-0.02	C.C224	5.9955	0.0210	5.9959	0.9374	-0.6574	-0.0423	-0.3466	0.0644	0.5272
40	12.05	-0.02	C.C248	5.9955	0.0218	5.9959	0.8707	-0.6516	-0.0420	-0.3441	0.0645	0.5281
41	12.22	-0.03	C.C172	5.9955	0.0187	5.9955	1.0502	-0.6463	-0.0425	-0.3426	0.0656	0.5285
42	12.39	-0.03	C.C182	5.9955	0.0195	5.9959	1.0710	-0.6416	-0.0425	-0.3439	0.0663	0.5298
43	12.57	-0.03	C.C177	5.9955	0.0192	5.9959	1.0858	-0.6375	-0.0435	-0.3387	0.0682	0.5313
44	12.73	-0.02	C.C217	5.9955	0.0214	5.9959	0.9034	-0.6269	-0.0429	-0.3330	0.0685	0.5312
45	12.89	-0.02	C.C186	5.9955	0.0191	5.9959	1.1474	-0.6220	-0.0430	-0.3313	0.0692	0.5327
46	13.08	-0.02	C.C254	5.9955	0.0225	5.9959	0.9037	-0.6170	-0.0437	-0.3298	0.0707	0.5338

PAGE 3 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST POINT MACH R310-c												
7 123 C.50 1-7												
PHI CNF C CEL1 CEL2 CEL3 CEL4 TRANSITION												
U.0 010UF34 C.C U -30 U -30 UNKNOWN												
PLANT	ALPHA	BETA	CNF3	CNF4	CNF5	ALPF3	YCPF3	CNF4	CNF5	Cb4	ALPF4	YCPF4
47	13.26	-0.01	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167
48	13.41	-0.02	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225
49	13.58	-0.01	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250
50	13.76	-0.02	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250
51	13.91	-0.02	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213
52	14.10	-0.02	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225
53	14.25	-0.03	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225
54	14.41	-0.03	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225
55	14.55	-0.02	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204
56	14.70	-0.02	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213
57	14.93	-0.03	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155
58	15.11	-0.03	0.0178	0.0178	0.0178	0.0178	0.0178	0.0178	0.0178	0.0178	0.0178	0.0178
59	15.28	-0.03	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168
60	15.44	-0.03	0.0205	0.0205	0.0205	0.0205	0.0205	0.0205	0.0205	0.0205	0.0205	0.0205
61	15.61	-0.03	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174
62	15.75	-0.04	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123
63	15.93	-0.03	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115
64	16.12	-0.03	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154
65	16.26	-0.04	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
66	16.44	-0.03	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124
67	16.61	-0.03	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073
68	16.78	-0.03	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135
69	16.94	-0.04	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083
70	17.12	-0.03	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165
71	17.28	-0.03	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167
72	17.45	-0.04	0.0110	0.0110	0.0110	0.0110	0.0110	0.0110	0.0110	0.0110	0.0110	0.0110
73	17.62	-0.03	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
74	17.78	-0.04	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135
75	17.94	-0.03	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160
76	18.11	-0.04	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201
77	18.27	-0.04	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237
78	18.45	-0.04	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201
79	18.61	-0.03	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
80	18.76	-0.04	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221
81	18.93	-0.02	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165
82	19.11	-0.04	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197
83	19.25	-0.03	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238
84	19.40	-0.03	0.0223	0.0223	0.0223	0.0223	0.0223	0.0223	0.0223	0.0223	0.0223	0.0223
85	19.57	-0.04	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202
86	19.73	-0.04	0.0187	0.0187	0.0187	0.0187	0.0187	0.0187	0.0187	0.0187	0.0187	0.0187
87	19.87	-0.03	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227
88	20.04	-0.04	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196
89	20.19	-0.04	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138
90	20.35	-0.04	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117
91	20.49	-0.04	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140
92	20.66	-0.05	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162

PAGE 3 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF RXIC-E		PHI	CNCF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION			
7 123 G-9C 1.7		U.C	81-CP34	C.C	0	-30	0	-30	UNKNOWN			
PCINT	ALPHA	BETA	CNF3	Cnf	CB3	ACPF3	YCPF3	CNF4	Cnf	CB4	XCPF4	YCPF4
93	20.80	-0.05	C.018E	5.5555	C.C095	5.5555	0.5237	-0.2068	-0.0355	-0.1264	C.1714	0.6110
94	20.90	-0.05	C.0147	5.5555	C.C082	5.5555	0.5590	-0.1961	-0.0345	-0.1261	0.1782	0.6126
95	21.13	-0.05	C.0225	5.5555	C.0107	5.5555	0.4758	-0.1892	-0.0341	-0.1163	0.1802	0.6145
96	21.28	-0.05	C.0250	5.5555	C.0110	5.5555	0.4624	-0.1835	-0.0334	-0.1134	0.1819	0.6179
97	21.44	-0.05	C.0260	5.5555	C.C050	5.5555	0.4521	-0.1712	-0.0324	-0.1056	0.1894	0.6167
98	21.60	-0.05	C.0265	5.5555	C.C098	5.5555	0.4400	-0.1513	-0.0302	-0.0906	0.1993	0.6384
99	21.75	-0.06	C.0185	5.5555	C.C082	5.5555	0.4550	-0.1352	-0.0274	-0.0877	0.2031	0.6485
100	21.91	-0.05	C.0230	5.5555	C.C104	5.5555	0.4515	-0.1302	-0.0265	-0.0848	0.2037	0.6511
101	22.06	-0.05	C.0252	5.5555	C.C103	5.5555	0.4382	-0.1326	-0.0270	-0.0840	0.2035	0.6338
102	22.22	-0.06	C.0215	5.5555	C.C055	5.5555	0.4492	-0.1116	-0.0235	-0.0747	0.2106	0.6655
103	22.37	-0.05	C.0213	5.5555	C.C085	5.5555	0.4597	-0.1094	-0.0230	-0.0735	0.2101	0.6724
104	22.52	-0.05	C.0205	5.5555	C.C023	5.5555	0.4352	-0.0838	-0.0208	-0.0624	0.2342	0.7033
105	22.67	-0.06	C.0241	5.5555	C.C101	5.5555	0.4172	-0.0916	-0.0211	-0.0632	0.2304	0.6897
106	22.81	-0.05	C.0220	5.5555	C.C085	5.5555	0.4347	-0.0730	-0.0185	-0.0538	0.2514	0.7314
107	22.95	-0.06	C.0251	5.5555	C.C108	5.5555	0.4300	-0.0665	-0.0175	-0.0504	0.2613	0.7541
108	23.10	-0.05	C.0175	5.5555	C.C065	5.5555	0.3741	-0.0532	-0.0156	-0.0436	0.2930	0.8184
109	23.24	-0.06	C.0150	5.5555	C.C071	5.5555	0.3707	-0.0549	-0.0158	-0.0420	0.2689	0.7653
110	23.40	-0.05	C.0150	5.5555	C.C048	5.5555	0.3187	-0.0505	-0.0137	-0.0345	0.2716	0.7822
111	23.54	-0.06	C.0253	5.5555	C.C106	5.5555	0.3509	-0.0477	-0.0133	-0.0380	0.2785	0.7956
112	23.58	-0.06	C.0360	5.5555	C.C132	5.5555	0.3749	-0.0371	-0.0115	-0.0336	0.3106	0.9055
113	23.58	-0.06	C.0268	5.5555	C.C100	5.5555	0.3741	-0.0345	-0.0111	-0.0326	0.3185	0.9324
114	23.59	-0.05	C.0290	5.5555	C.0110	5.5555	0.3711	-0.0309	-0.0126	-0.0343	0.3235	0.8830
115	23.59	-0.05	C.0355	5.5555	C.C147	5.5555	0.3609	-0.0450	-0.0123	-0.0365	0.2725	0.8111
116	23.58	-0.07	C.0261	5.5555	C.C102	5.5555	0.3621	-0.0343	-0.0105	-0.0314	0.3182	0.9161
117	23.58	-0.06	C.0271	5.5555	C.C055	5.5555	0.3517	-0.0256	-0.0085	-0.0300	0.3333	1.1721
118	23.58	-0.07	C.0180	5.5555	C.C055	5.5555	0.3057	-0.0369	-0.0106	-0.0323	0.2673	0.8741
119	23.58	-0.06	C.0328	5.5555	C.C112	5.5555	0.3521	-0.0430	-0.0113	-0.0348	0.2633	0.8073
120	23.58	-0.05	C.0346	5.5555	C.C115	5.5555	0.3300	-0.0305	-0.0108	-0.0328	0.2811	0.8521
121	23.58	-0.06	C.0276	5.5555	C.C101	5.5555	0.3552	-0.0316	-0.0100	-0.0306	0.3137	0.9615
122	23.58	-0.06	C.0372	5.5555	C.0136	5.5555	0.3651	-0.0307	-0.0105	-0.0334	0.2715	0.8636
123	23.58	-0.05	C.0358	5.5555	C.C126	5.5555	0.3509	-0.0368	-0.0107	-0.0328	0.2910	0.8906
124	23.58	-0.06	C.0360	5.5555	C.0136	5.5555	0.3504	-0.0430	-0.0112	-0.0351	0.2605	0.8146
125	23.57	-0.06	C.0205	5.5555	C.C068	5.5555	0.3241	-0.0342	-0.0109	-0.0335	0.2713	0.8430
126	23.58	-0.07	C.0312	5.5555	C.C105	5.5555	0.3359	-0.0345	-0.0103	-0.0310	0.2982	0.8586
127	23.57	-0.06	C.0251	5.5555	C.C058	5.5555	0.3316	-0.0385	-0.0106	-0.0330	0.2757	0.8575
128	23.58	-0.06	C.0353	5.5555	C.0136	5.5555	0.3456	-0.0337	-0.0106	-0.0341	0.2670	0.8593
129	23.57	-0.06	C.0328	5.5555	C.C105	5.5555	0.3326	-0.0417	-0.0114	-0.0349	0.2743	0.8360
130	23.57	-0.05	C.0337	5.5555	C.C116	5.5555	0.3444	-0.0302	-0.0105	-0.0326	0.2902	0.9002
131	23.57	-0.06	C.0302	5.5555	C.0104	5.5555	0.3440	-0.0387	-0.0104	-0.0337	0.2888	0.8717
132	23.58	-0.06	C.0260	5.5555	C.C084	5.5555	0.3157	-0.0341	-0.0100	-0.0315	0.2921	0.9247
133	23.57	-0.06	C.0373	5.5555	C.C126	5.5555	0.3363	-0.0435	-0.0113	-0.0345	0.2799	0.8515
134	23.57	-0.06	C.0290	5.5555	C.C055	5.5555	0.3221	-0.0342	-0.0096	-0.0307	0.2857	0.8576
135	23.57	-0.06	C.0368	5.5555	C.C117	5.5555	0.3185	-0.0395	-0.0110	-0.0338	0.2789	0.8999
136	23.57	-0.07	C.0415	5.5555	C.C142	5.5555	0.3392	-0.0446	-0.0115	-0.0358	0.2587	0.8024
137	23.57	-0.06	C.0328	5.5555	C.C105	5.5555	0.3199	-0.0362	-0.0104	-0.0317	0.2874	0.8773
138	23.57	-0.07	C.0290	5.5555	C.C085	5.5555	0.3054	-0.0340	-0.0102	-0.0307	0.2557	0.9631

PAGE 3 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: RX10-6		PRD CNF		DEL1 DEL2		DEL3 DEL4		TRANSITION				
7 123 6-96 1.7		J.O d110F34 C.C		0 -30		0 -30		UNKNOWN				
PCINT	ALPHA	BETA	CNF2	CNF3	CNF4	XCPF3	YCPF3	CNF4	CP4	CB4	XCPF4	YCPF4
139	23.57	-0.07	0.0373	0.5555	0.0126	0.5555	0.3303	-0.0372	-0.0110	-0.0333	0.2961	0.8546
140	23.57	-0.06	0.0252	0.5555	0.0091	0.5555	0.3125	-0.0316	-0.0102	-0.0309	0.3224	0.9780
141	23.57	-0.06	0.0312	0.5555	0.0096	0.5555	0.3200	-0.0325	-0.0101	-0.0307	0.3070	0.9346
142	23.57	-0.06	0.0364	0.5555	0.0127	0.5555	0.3249	-0.0384	-0.0104	-0.0324	0.2807	0.8457
143	23.57	-0.07	0.0363	0.5555	0.0085	0.5555	0.3080	-0.0276	-0.0089	-0.0252	0.3245	1.0580
144	23.57	-0.05	0.0257	0.5555	0.0085	0.5555	0.3000	-0.0318	-0.0098	-0.0296	0.3072	0.9358
145	23.57	-0.06	0.0354	0.5555	0.0111	0.5555	0.3140	-0.0332	-0.0106	-0.0317	0.3157	0.9571
146	23.56	-0.06	0.0384	0.5555	0.0126	0.5555	0.3136	-0.0317	-0.0100	-0.0308	0.3148	0.9716
147	23.57	-0.06	0.0343	0.5555	0.0107	0.5555	0.3114	-0.0305	-0.0113	-0.0342	0.2755	0.8442
148	23.57	-0.06	0.0343	0.5555	0.0103	0.5555	0.2943	-0.0303	-0.0104	-0.0322	0.2665	0.8862
149	23.57	-0.06	0.0323	0.5555	0.0096	0.5555	0.3016	-0.0309	-0.0093	-0.0297	0.2997	0.9608
150	23.56	-0.06	0.0324	0.5555	0.0093	0.5555	0.2842	-0.0375	-0.0103	-0.0328	0.2742	0.8734
151	23.57	-0.06	0.0334	0.5555	0.0100	0.5555	0.2984	-0.0355	-0.0121	-0.0363	0.2648	0.7573
152	23.57	-0.06	0.0348	0.5555	0.0111	0.5555	0.3187	-0.0336	-0.0105	-0.0315	0.3108	0.9333
153	23.57	-0.05	0.0365	0.5555	0.0117	0.5555	0.3047	-0.0401	-0.0121	-0.0360	0.2616	0.7815
154	23.57	-0.06	0.0324	0.5555	0.0094	0.5555	0.2994	-0.0297	-0.0091	-0.0286	0.3077	0.9628
155	23.57	-0.06	0.0436	0.5555	0.0132	0.5555	0.3119	-0.0325	-0.0107	-0.0311	0.3251	0.9563
156	23.57	-0.07	0.0334	0.5555	0.0101	0.5555	0.3015	-0.0339	-0.0104	-0.0308	0.3067	0.9090
157	23.57	-0.06	0.0351	0.5555	0.0141	0.5555	0.3127	-0.0307	-0.0113	-0.0345	0.2782	0.8597
158	23.57	-0.06	0.0370	0.5555	0.0109	0.5555	0.2943	-0.0331	-0.0121	-0.0345	0.2755	0.8006
159	23.57	-0.06	0.0319	0.5555	0.0092	0.5555	0.2892	-0.0352	-0.0102	-0.0310	0.2851	0.8806
160	23.57	-0.06	0.0284	0.5555	0.0073	0.5555	0.2950	-0.0305	-0.0103	-0.0316	0.2789	0.8572
161	23.57	-0.05	0.0345	0.5555	0.0115	0.5555	0.3019	-0.0370	-0.0113	-0.0334	0.3062	0.9024
162	23.57	-0.06	0.0296	0.5555	0.0085	0.5555	0.2851	-0.0291	-0.0089	-0.0279	0.3185	0.9940
163	23.57	-0.06	0.0354	0.5555	0.0111	0.5555	0.3140	-0.0335	-0.0111	-0.0329	0.2816	0.8323
164	23.56	-0.06	0.0344	0.5555	0.0100	0.5555	0.2894	-0.0421	-0.0117	-0.0342	0.2790	0.8130
165	23.57	-0.06	0.0375	0.5555	0.0107	0.5555	0.2847	-0.0375	-0.0105	-0.0330	0.2798	0.8785
166	23.56	-0.05	0.0316	0.5555	0.0126	0.5555	0.3018	-0.0393	-0.0114	-0.0331	0.2910	0.8420
167	23.57	-0.05	0.0405	0.5555	0.0123	0.5555	0.3044	-0.0426	-0.0120	-0.0346	0.2805	0.8152
168	23.57	-0.06	0.0381	0.5555	0.0107	0.5555	0.2808	-0.0422	-0.0115	-0.0342	0.2734	0.8116
169	23.57	-0.05	0.0381	0.5555	0.0107	0.5555	0.2808	-0.0394	-0.0111	-0.0329	0.2823	0.8345
170	23.57	-0.05	0.0330	0.5555	0.0091	0.5555	0.2770	-0.0372	-0.0107	-0.0321	0.2877	0.8612
171	23.57	-0.06	0.0391	0.5555	0.0114	0.5555	0.2919	-0.0356	-0.0105	-0.0333	0.2756	0.8406
172	23.56	-0.06	0.0396	0.5555	0.0115	0.5555	0.2937	-0.0365	-0.0108	-0.0327	0.2611	0.8454
173	23.56	-0.06	0.0391	0.5555	0.0112	0.5555	0.2866	-0.0405	-0.0114	-0.0335	0.2821	0.8366
174	23.57	-0.05	0.0386	0.5555	0.0113	0.5555	0.2931	-0.0449	-0.0122	-0.0362	0.2708	0.8060
175	23.56	-0.05	0.0431	0.5555	0.0132	0.5555	0.3053	-0.0433	-0.0120	-0.0344	0.2764	0.7563
176	23.56	-0.06	0.0355	0.5555	0.0103	0.5555	0.2897	-0.0363	-0.0112	-0.0334	0.2935	0.8730
177	23.56	-0.05	0.0365	0.5555	0.0104	0.5555	0.2843	-0.0445	-0.0117	-0.0356	0.2640	0.7596
178	23.57	-0.05	0.0331	0.5555	0.0087	0.5555	0.2855	-0.0404	-0.0115	-0.0332	0.2853	0.8207
179	23.50	-0.05	0.0371	0.5555	0.0104	0.5555	0.2795	-0.0440	-0.0116	-0.0343	0.2648	0.7807
180	23.56	-0.05	0.0343	0.5555	0.0092	0.5555	0.2675	-0.0346	-0.0101	-0.0306	0.2913	0.8839
181	23.56	-0.05	0.0356	0.5555	0.0095	0.5555	0.2684	-0.0300	-0.0110	-0.0315	0.3064	0.8766
182	23.56	-0.06	0.0452	0.5555	0.0133	0.5555	0.2936	-0.0416	-0.0116	-0.0343	0.2600	0.8256
183	23.58	-0.06	0.0366	0.5555	0.0108	0.5555	0.2747	-0.0419	-0.0112	-0.0346	0.2680	0.8294
184	23.57	-0.06	0.0346	0.5555	0.0085	0.5555	0.2577	-0.0364	-0.0110	-0.0324	0.2673	0.8436

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 5 OF 5

HANTIN MISSILE TAILS EFFECTS DATA

	TEST	PART	MACH	AXIC-L	PHI	CNCF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION
	7	123	0.50	1.7	C.C	010CF36	0.0	0	-30	0	-30	UNKNOWN
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	Cn4	CB4	XCPF4	YCPF4
185	23.56	-0.05	0.0320	5.5555	0.0001	5.5555	0.2527	-0.0483	-0.0124	-0.0366	0.2559	0.7574
186	23.56	-0.06	0.0366	5.5555	0.0101	5.5555	0.2749	-0.0365	-0.0100	-0.0316	0.2735	0.8670
187	23.57	-0.05	0.0350	5.5555	0.0093	5.5555	0.2565	-0.0356	-0.0106	-0.0310	0.2582	0.8723
188	23.56	-0.05	0.0255	5.5555	0.0008	5.5555	0.2319	-0.0419	-0.0112	-0.0338	0.2680	0.8071
189	23.57	-0.05	0.0285	5.5555	0.0067	5.5555	0.2367	-0.0325	-0.0122	-0.0332	0.2861	0.7806
190	23.56	-0.05	0.0225	5.5555	0.0040	5.5555	0.1801	-0.0447	-0.0115	-0.0343	0.2581	0.7680
191	23.21	-0.05	0.0370	5.5555	0.0104	5.5555	0.2756	0.0605	0.0217	0.0167	0.3591	0.3086
192	27.05	0.01	0.0737	5.5555	0.0255	5.5555	0.3462	0.0681	0.0461	0.0401	0.5230	0.4559
193	30.13	0.02	0.0777	5.5555	0.0286	5.5555	0.3636	0.2006	0.0690	0.1017	0.3442	0.5065
194	32.60	0.06	0.0872	5.5555	0.0336	5.5555	0.3353	0.2986	0.0641	0.1622	0.2617	0.5433
195	35.25	-0.05	0.0523	5.5555	0.0161	5.5555	0.3451	0.4990	0.0786	0.2848	0.1575	0.5707
196	35.02	-0.01	0.0351	5.5555	0.0100	5.5555	0.2634	0.5672	0.0651	0.3027	0.1148	0.5337
197	44.34	-0.01	0.0416	5.5555	0.0142	5.5555	0.3400	0.6705	0.0622	0.3651	0.0527	0.5444
198	47.60	0.04	0.0300	5.5555	0.0102	5.5555	0.3363	0.7445	0.0487	0.3554	0.0654	0.5312
199	51.20	0.07	0.0525	5.5555	0.0205	5.5555	0.3971	0.7106	0.0679	0.4043	0.0956	0.5689
200	44.21	-0.04	0.0135	5.5555	0.0048	5.5555	0.3060	0.7423	0.0521	0.4016	0.0702	0.5410
201	47.13	0.01	0.0315	5.5555	0.0114	5.5555	0.3622	0.7006	0.0528	0.3814	0.0754	0.5443

PAGE 1 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		RXIC-E		PHI	CCAF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION		
1		124		1.00		1.7		0.0	0.14CF34	C.C	0	-30	0	-30	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CY	CLL	CLL	CA	CAB	CAF	XCP				
1	15.91	-0.04	-0.8741	10.1748	0.0425	-0.3450	0.0368	1.0130	0.3510	1.4621	-11.6144				
2	15.91	-0.04	-0.8933	10.1804	0.0462	-0.2240	0.0250	1.0185	0.3571	1.4615	-11.3745				
3	15.91	-0.04	-0.8661	10.0955	0.0452	-0.2292	0.0135	1.0081	0.3546	1.4534	-11.3982				
4	15.91	-0.05	-0.9049	10.2405	-0.0612	-0.1083	0.0300	1.0240	0.3560	1.4007	-11.0727				
5	15.93	-0.05	-0.8959	9.8226	-0.0731	-0.2103	0.0311	1.7629	0.3563	1.4266	-14.0407				
6	17.04	-0.05	-0.8247	7.8375	0.0657	-0.3007	0.0069	1.5021	0.3211	1.1810	-317.1409				
7	19.70	-0.03	-0.8184	5.8353	0.0424	-0.1863	0.0377	1.1913	0.3070	0.8844	6.6024				
8	22.00	-0.04	1.8463	3.5154	-0.0325	-0.0633	-0.0594	0.8410	0.2677	0.5541	1.5041				
9	24.32	-0.03	2.5243	2.1342	0.1585	-0.1657	-0.0626	0.5907	0.2666	0.3121	0.7298				
10	26.87	0.03	4.1204	0.4881	1.0174	-2.4606	-0.2857	0.3181	0.2564	0.0217	0.1178				
11	29.10	0.04	5.7827	-0.4803	1.0704	-2.2642	-0.0015	0.0647	0.2404	-0.2256	-0.0526				
12	31.00	0.04	6.8138	-1.5120	1.0008	-1.8511	-0.0393	-0.1993	0.2701	-0.4654	-0.2891				
13	35.07	0.04	8.3550	-3.0558	1.1258	-2.7262	0.0357	-0.5757	0.2550	-0.6307	-0.4353				
14	40.63	0.00	11.1887	-6.4140	0.5396	-1.7111	0.0540	-1.1130	0.1942	-1.3072	-0.5734				
15	43.71	-0.01	11.5720	-8.1140	0.4023	-1.2592	0.0989	-1.1798	0.1761	-1.3579	-0.5283				
16	41.72	-0.03	11.0430	-6.3517	0.3124	-0.6412	-0.1270	-1.1231	0.1902	-1.3133	-0.5751				
17	39.60	-0.00	9.5329	-5.2688	0.3013	-1.0870	-0.1137	-0.9407	0.2092	-1.1455	-0.5325				
18	37.49	0.01	8.4354	-4.2653	0.7100	-1.8884	0.0102	-0.7345	0.2427	-0.5772	-0.4771				
19	35.25	-0.00	7.8077	-3.0577	0.6328	-1.4660	0.0848	-0.5010	0.2527	-0.7537	-0.3918				

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-E			PHT	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 124 1.00 1.07			0.0	0100F34	L.C	0	-30	0	-30	UNKNOWN		
PCINT	ALPHA	BETA	CNF1	CNF1	Col	XCPI1	YCPI1	CNF2	CH2	CB2	XCPI2	YCPI2
1	15.91	-0.04	0.0011	0.0041	0.022E	3.5454	19.9545	-0.5977	-0.0054	-0.3232	0.0090	0.5408
2	15.91	-0.04	0.0018	0.0044	0.0223	2.4708	12.6183	-0.5846	-0.0048	-0.3174	0.0082	0.5436
3	15.91	-0.04	-0.0038	0.0035	0.0185	-0.5189	-4.9077	-0.5798	-0.0052	-0.3142	0.0090	0.5420
4	15.91	-0.05	-0.0076	0.0034	0.0172	-0.4521	-2.2688	-0.5970	-0.0051	-0.3239	0.0085	0.5429
5	15.93	-0.05	0.0038	0.0051	0.0229	1.3243	5.9584	-0.5899	-0.0052	-0.3082	0.0091	0.5468
6	17.64	-0.03	-0.0010	0.0037	0.0239	-3.6000	-22.9476	-0.4234	-0.0066	-0.2348	0.0155	0.5538
7	19.76	-0.03	-0.0124	0.0026	0.0184	-0.1938	-1.2220	-0.2714	-0.0046	-0.1557	0.0176	0.5738
8	22.00	-0.04	-0.0307	-0.0011	0.0070	0.0373	-0.2288	-0.1051	0.0045	-0.0733	-0.0425	0.6977
9	24.52	-0.03	-0.0330	-0.0008	-0.0020	0.0252	0.0598	0.0056	0.0175	-0.0758	3.1111	-2.8084
10	26.57	0.03	0.0044	0.0013	-0.0135	0.0701	-0.2032	0.2101	0.0200	0.0836	0.0550	0.3976
11	29.10	0.04	0.0052	0.0051	0.0583	0.1924	0.2870	0.3248	0.0273	0.1508	0.0842	0.4637
12	31.60	0.04	0.0055	0.0187	0.0264	0.3125	0.4746	0.3977	0.0329	0.2005	0.0826	0.5042
13	35.07	0.04	0.1935	0.0381	0.0662	0.1907	0.3420	0.5701	0.0355	0.3106	0.0638	0.5373
14	40.83	0.00	0.1262	0.0221	0.0560	0.1755	0.4438	0.7585	0.0532	0.4164	0.0702	0.5450
15	43.71	-0.01	0.0040	0.0122	-0.0016	3.0784	-0.3938	0.7459	0.0624	0.4081	0.0836	0.5471
16	41.72	-0.03	0.0400	0.0219	0.0036	0.3401	0.0907	0.7595	0.0504	0.4164	0.0684	0.5482
17	39.60	-0.00	0.0817	0.0206	0.0225	0.2519	0.2755	0.6936	0.0457	0.3753	0.0660	0.5468
18	37.49	0.01	0.1017	0.0305	0.0504	0.1804	0.3490	0.8157	0.0394	0.3327	0.0640	0.5463
19	35.29	-0.00	0.1340	0.0278	0.0463	0.2058	0.3452	0.4788	0.0388	0.2534	0.0608	0.5253

PAGE 3 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PACF RX10-E			PHI		CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION
1 124 1.00 1.7			0.0 8.00F34		L.C		0		0	-30	0	-30	UNKNOWN
FLINT	ALPHA	BETA	CNF3	CH3	CB3	XCFF3	YCPF3	CNF4	CH4	CB4	XCFF4	YCPF4	
1	15.91	-0.04	0.0000	0.9999	0.0100	0.9999	0.2019	-0.5652	-0.0108	-0.3289	0.0151	0.5820	
2	15.91	-0.04	0.0000	0.9999	0.0115	0.9999	0.2020	-0.5668	-0.0105	-0.3294	0.0165	0.5811	
3	15.91	-0.04	0.0000	0.9999	0.0117	0.9999	0.2031	-0.5704	-0.0107	-0.3304	0.0188	0.5792	
4	15.91	-0.05	0.0000	0.9999	0.0117	0.9999	0.2031	-0.5700	-0.0105	-0.3303	0.0184	0.5795	
5	15.93	-0.05	0.0042	0.9958	0.0142	0.9958	0.2260	-0.5426	-0.0107	-0.3166	0.0197	0.5835	
6	17.04	-0.03	0.0059	0.9941	0.0151	0.9941	0.2290	-0.5409	-0.0102	-0.3160	0.0252	0.5829	
7	19.76	-0.03	0.0029	0.9971	0.0113	0.9971	0.2137	-0.5715	-0.0068	-0.3166	0.0245	0.5776	
8	22.00	-0.04	0.0000	0.9999	0.0149	0.9999	0.2401	-0.5172	0.0005	-0.0807	-0.0038	0.5881	
9	24.32	-0.03	0.0026	0.9974	0.0214	0.9974	0.2965	-0.0271	0.0130	-0.0173	-0.4789	0.6384	
10	26.07	0.03	0.0032	0.9968	0.0312	0.9968	0.3352	0.0177	0.0207	0.0107	1.1706	0.6045	
11	29.10	0.04	0.0007	0.9993	0.0253	0.9993	0.3227	0.1211	0.0357	0.0734	0.2944	0.6063	
12	31.00	0.04	0.0057	0.9943	0.0238	0.9943	0.2979	0.0413	0.0363	0.1733	0.1246	0.5950	
13	35.07	0.04	0.0010	0.9990	0.0252	0.9990	0.3112	0.4054	0.0540	0.2552	0.1331	0.6295	
14	40.00	0.00	0.0000	0.9999	0.0104	0.9999	0.2227	0.0208	0.0033	0.3819	0.1042	0.6053	
15	43.71	-0.01	0.0043	0.9957	0.0055	0.9957	0.2180	0.6165	0.0701	0.3844	0.1101	0.6046	
16	41.72	-0.03	0.0051	0.9949	0.0028	0.9949	0.0962	0.6061	0.0618	0.3739	0.1016	0.6148	
17	39.80	-0.00	0.0041	0.9959	0.0055	0.9959	0.1612	0.5287	0.0572	0.3310	0.1082	0.6261	
18	37.49	0.01	0.0054	0.9946	0.0171	0.9946	0.2003	0.4447	0.0538	0.2813	0.1209	0.6326	
19	35.25	-0.00	0.0023	0.9977	0.0230	0.9977	0.3167	0.3825	0.0459	0.2409	0.1159	0.6257	

PAGE 1 OF 3
SHEET 1 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PAAT	MACH	FXIC-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL5	TRANSITION
7	125	1.10	1.7	0.0	810UP34	C.C	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CN	CLM	CLY	CLX	CLL	CA	CAB	CAF	XCP
1	15.93	-0.02	-0.7277	5.0557	0.036E	-0.3135	0.0189	1.7980	0.3657	1.4123	-13.3296
2	15.93	-0.02	-0.7265	5.0670	0.0744	-0.4634	0.0190	1.8170	0.3655	1.4275	-12.7546
3	15.93	-0.03	-0.7428	5.1254	-0.0223	-0.3408	0.0061	1.7981	0.3619	1.4162	-12.5535
4	15.93	-0.02	-0.7553	5.1500	0.0853	-0.3723	0.0189	1.8001	0.3654	1.4207	-12.8409
5	16.15	-0.04	-0.8502	5.4545	-0.0024	-0.2223	0.0401	1.7083	0.3623	1.3880	-14.6016
6	16.24	-0.02	-0.8254	5.3662	0.1355	-0.3697	0.0190	1.7406	0.3719	1.3627	-15.0077
7	16.43	-0.04	-0.5545	5.2583	0.0040	-0.4055	0.0191	1.7222	0.3751	1.3471	-16.6849
8	16.63	-0.04	-0.5177	5.1530	-0.0056	-0.2740	0.0083	1.7200	0.3782	1.3424	-17.6812
9	16.80	-0.04	-0.4766	5.0941	-0.0350	-0.1515	0.0295	1.6626	0.3692	1.2534	-21.2463
10	16.94	-0.04	-0.3755	5.0087	0.0236	-0.3459	0.0192	1.6581	0.3671	1.2510	-23.1617
11	17.13	-0.04	-0.3423	5.1241	-0.0763	-0.1440	0.0082	1.6441	0.3686	1.2756	-25.4883
12	17.30	-0.05	-0.2626	5.5385	-0.0508	-0.1607	0.0189	1.6240	0.3633	1.2608	-32.5124
13	17.46	-0.03	-0.2055	5.3222	0.0255	-0.2633	0.0138	1.5813	0.3621	1.2192	-39.7414
14	17.63	-0.03	-0.1554	5.3450	0.0234	-0.1922	0.0245	1.5817	0.3610	1.2207	-41.7457
15	17.79	-0.03	-0.1263	5.1654	0.0385	-0.3009	0.0355	1.5700	0.3623	1.2077	-64.8588
16	17.97	-0.05	-0.0455	1.9505	-0.1015	-0.0104	0.0506	1.5395	0.3590	1.1805	-100.6630
17	18.13	-0.04	0.0620	1.7275	-0.0122	-0.2160	0.0355	1.5086	0.3638	1.1448	-124.5750
18	18.29	-0.04	0.0468	1.7285	0.0850	-0.2594	0.0088	1.5050	0.3645	1.1405	-165.0620
19	18.47	-0.04	0.1553	1.4752	0.0531	-0.2682	0.0412	1.4740	0.3628	1.1112	-38.2752
20	18.63	-0.05	0.2468	1.2063	-0.0318	-0.1651	0.0195	1.4516	0.3655	1.0858	-29.2019
21	18.79	-0.04	0.2481	1.2743	0.0537	-0.2585	0.0197	1.4346	0.3625	1.0722	-25.3165
22	18.96	-0.04	0.3815	1.0015	-0.0047	-0.2789	0.0199	1.4052	0.3584	1.0468	-18.3527
23	19.13	-0.06	0.3825	0.9355	-0.0387	-0.2486	-0.0018	1.3923	0.3595	1.0328	-19.1341
24	19.27	-0.05	0.4504	0.7711	-0.0332	-0.1502	0.0144	1.3649	0.3523	1.0126	-14.8348
25	19.42	-0.04	0.5446	0.5155	0.0614	-0.3233	0.0307	1.3101	0.3498	0.9663	-11.5671
26	19.60	-0.05	0.6440	0.3011	0.0458	-0.3303	-0.0013	1.3027	0.3560	0.9407	-9.7838
27	19.75	-0.07	0.6755	0.2584	-0.0387	-0.0575	0.0199	1.2946	0.3595	0.9351	-9.2595
28	19.91	-0.07	0.6943	0.1784	-0.0440	-0.0841	0.0359	1.2873	0.3593	0.9280	-8.8992
29	20.06	-0.05	0.7753	0.0871	0.0078	-0.1042	0.0256	1.2813	0.3630	0.9183	-7.8109
30	20.21	-0.06	0.8174	0.5332	-0.0807	-0.0601	0.0629	1.2800	0.3666	0.8941	-7.2584
31	20.37	-0.06	0.8982	5.7751	-0.0257	-0.2810	0.0415	1.2567	0.3656	0.8892	-6.4299
32	20.52	-0.04	0.8865	5.6164	0.0030	-0.3054	-0.0007	1.2392	0.3673	0.8720	-5.6817
33	20.68	-0.06	1.0734	5.4653	-0.0024	-0.1329	0.0473	1.1914	0.3653	0.8601	-5.0518
34	20.80	-0.04	1.1642	5.3060	0.1220	-0.4543	-0.0056	1.1734	0.3656	0.8078	-4.5576
35	20.91	-0.04	1.1523	5.2452	0.1003	-0.2842	-0.0057	1.1618	0.3681	0.7937	-4.3955
36	21.07	-0.04	1.0570	5.1645	0.0035	-0.3081	0.0051	1.1495	0.3649	0.7846	-4.1084
37	21.22	-0.05	1.3554	4.9827	0.1115	-0.4626	-0.0320	1.1256	0.3849	0.7607	-3.6654
38	21.37	-0.05	1.4283	4.8355	0.1014	-0.4336	-0.0332	1.1099	0.3822	0.7477	-3.3885
39	21.55	-0.05	1.5228	4.7301	0.1083	-0.5136	-0.1012	1.0924	0.3657	0.7267	-3.1062
40	21.65	-0.07	1.5717	4.5743	-0.0171	-0.3502	-0.0747	1.0852	0.3629	0.7024	-2.5104
41	21.86	-0.06	1.6720	4.4815	0.0452	-0.6061	-0.0527	1.0455	0.3650	0.6806	-2.0806
42	22.02	-0.06	1.7673	4.4738	0.1302	-0.4304	-0.1486	1.0332	0.3678	0.6835	-2.5314
43	22.17	-0.03	1.8388	4.2785	0.2647	-0.3426	-0.0305	1.0131	0.3636	0.6455	-2.3268
44	22.33	-0.06	1.9153	4.2441	0.1674	-0.5550	-0.1054	1.0149	0.3668	0.6481	-2.2077
45	22.48	-0.05	1.9860	4.1453	-0.1804	-0.3559	-0.0358	1.0008	0.3675	0.6329	-2.0840
46	22.63	-0.07	2.0001	4.0623	-0.0647	-0.1255	-0.0630	0.9926	0.3654	0.6272	-2.0345

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

 PAGE 1 OF 3
 SHEET 2 OF 2

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART MACH-6				PHI	CCRP	L	CEL1	CEL2	CEL3	CEL4	TRANSITION
7 125 1-10 1-7				G.C. 0.10CF34	G.C.	0	0	-30	0	-30	UNKNOWN
FCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	LAB	CAF	XCP
47	22.77	-0.06	2.0605	3.0855	0.0605	-0.3177	-0.0841	0.9661	0.3661	0.6000	1.8859
48	22.88	-0.04	2.1531	3.2215	0.1187	-0.2340	0.0177	0.9523	0.3665	0.5858	1.7750
49	22.59	-0.08	2.2632	3.7525	-0.1571	-0.2160	-0.0625	0.9340	0.3623	0.5717	1.6582
50	23.09	-0.08	2.4645	3.5131	-0.0185	-0.1702	-0.0514	0.9013	0.3601	0.5352	1.4578
51	23.24	-0.06	2.4164	3.5616	-0.0633	-0.1053	-0.0230	0.8900	0.3654	0.5246	1.4740
52	23.40	-0.03	2.4354	3.4426	0.2817	-0.3224	-0.0344	0.9034	0.3646	0.5368	1.4113
53	23.44	-0.08	2.4667	3.4635	-0.0761	-0.6809	-0.0570	0.8585	0.3601	0.4585	1.4030
54	23.46	-0.04	2.4555	3.4664	0.1324	0.0008	-0.0091	0.6763	0.3577	0.5166	1.4052
55	23.46	-0.06	2.4643	3.4465	-0.0635	-0.3090	0.0023	0.6823	0.3673	0.5150	1.3672
56	23.46	-0.04	2.4325	3.4654	0.1622	-0.1413	-0.0676	0.6909	0.3608	0.5301	1.4247
57	23.47	-0.05	2.5223	3.3530	0.1207	-0.3212	-0.0450	0.6952	0.3694	0.5258	1.3446
58	23.48	-0.06	2.4474	3.4657	0.0716	-0.2830	-0.0191	0.6948	0.3655	0.5253	1.4242
59	23.47	-0.07	2.4240	3.5047	0.1382	-0.3363	-0.0351	0.9027	0.3633	0.5354	1.4455
60	23.45	-0.05	2.4641	3.3346	0.1454	0.0253	0.0226	0.6046	0.3576	0.5677	1.3871
61	23.46	-0.06	2.4355	3.4326	-0.1072	0.1075	0.0284	0.6625	0.3577	0.5248	1.4054
62	23.90	-0.04	2.5055	2.5106	0.0603	-0.3645	-0.0561	0.6142	0.3736	0.4406	1.0002
63	25.95	-0.04	3.7425	1.7615	0.3875	-0.5503	-0.01916	0.6502	0.3675	0.2703	0.4699
64	28.10	-0.05	4.0043	0.8244	0.3772	-2.0310	-0.0362	0.4917	0.3967	0.0525	0.1656
65	30.65	0.03	6.2574	-1.3757	1.1588	-2.5587	0.1262	0.2353	0.4131	-0.1784	-0.2185
66	32.61	-0.02	1.3113	-2.0875	0.4771	-0.8451	0.2137	0.0110	0.4443	-0.4033	-0.3950
67	35.94	0.04	8.7364	-5.0610	1.1730	-2.4325	0.3426	-0.2667	0.4123	-0.6791	-0.5753
68	39.98	-0.07	10.0758	-6.1671	0.1522	-0.5800	-0.0376	-0.0444	0.3577	-1.0421	-0.7507
69	36.75	-0.05	9.5762	-6.0036	0.1111	-1.6332	0.1230	-0.4938	0.4130	-0.9068	-0.6818
70	36.63	-0.01	6.7776	-5.1752	0.6504	-1.2055	0.1046	-0.3075	0.4330	-0.7465	-0.5900
71	34.35	-0.03	7.6021	-3.3085	0.4165	-1.2560	0.2756	-0.1129	0.4024	-0.5213	-0.4352
72	31.56	-0.01	6.3888	-1.4724	0.6542	-1.7623	0.1166	0.1731	0.3992	-0.4461	-0.2313

PAGE 2 OF 3
SHEET 1 OF 2

MAXIM MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO-E			PHI CONF		L DELI DEL2 DEL3 DEL4		TRANSITION					
7 125 1.10 1.1			C.C B1BCF34 C.C		0 -30 0 -30		UNKNOWN					
PLINT	ALPHA	BETA	CNF1	Cnf1	CB1	XCFF1	YCPF1	CNF2	Cn2	CB2	XCFF2	YCPF2
1	15.93	-0.02	0.0045	0.0023	0.0250	1.4100	5.5915	-0.5320	-0.0026	-0.2864	0.0049	0.5383
2	15.93	-0.02	0.0035	0.0038	0.0234	1.6471	7.1395	-0.5431	-0.0014	-0.2424	0.0034	0.5385
3	15.93	-0.03	0.0006	0.0000	0.0216	-5.0007	-34.5870	-0.5305	-0.0024	-0.2895	0.0044	0.5377
4	15.93	-0.02	0.0010	0.0030	0.0230	5.0000	22.0403	-0.5300	-0.0020	-0.2895	0.0037	0.5350
5	16.15	-0.04	0.0044	0.0023	0.0253	1.4524	5.7403	-0.5100	-0.0025	-0.2797	0.0048	0.5355
6	16.25	-0.02	0.0004	0.0057	0.0242	13.7000	50.1170	-0.5047	-0.0022	-0.2700	0.0043	0.5410
7	16.43	-0.04	0.0055	0.0000	0.0203	1.1250	4.5254	-0.5001	-0.0023	-0.2714	0.0046	0.5428
8	16.63	-0.04	0.0057	0.0041	0.0145	-0.4134	-1.9525	-0.4927	-0.0015	-0.2055	0.0030	0.5478
9	16.80	-0.04	0.0075	0.0071	0.0267	0.5444	3.5613	-0.4757	-0.0026	-0.2595	0.0055	0.5456
10	16.94	-0.04	0.0020	0.0050	0.0250	1.0741	8.9300	-0.4602	-0.0020	-0.2573	0.0042	0.5465
11	17.13	-0.04	0.0076	0.0044	0.0204	-0.5753	-2.6425	-0.4619	-0.0022	-0.2543	0.0047	0.5505
12	17.30	-0.05	0.0004	0.0045	0.0211	-0.6535	-3.2300	-0.4517	-0.0021	-0.2491	0.0040	0.5515
13	17.40	-0.03	0.0104	0.0028	0.0151	-0.1709	-0.9219	-0.4343	-0.0018	-0.2398	0.0041	0.5522
14	17.63	-0.03	0.0111	0.0042	0.0171	-0.3738	-1.5745	-0.4338	-0.0019	-0.2392	0.0043	0.5515
15	17.79	-0.03	0.0051	0.0055	0.0270	1.0810	5.4565	-0.4205	-0.0010	-0.2352	0.0037	0.5514
16	17.97	-0.05	0.0017	0.0050	0.0240	3.5000	14.7700	-0.4100	-0.0017	-0.2305	0.0040	0.5544
17	18.13	-0.04	0.0063	0.0051	0.0250	10.3333	83.1505	-0.3975	-0.0012	-0.2205	0.0031	0.5546
18	18.25	-0.04	0.0005	0.0040	0.0150	-0.4034	-2.4001	-0.3947	-0.0008	-0.2195	0.0021	0.5562
19	18.47	-0.04	0.0023	0.0047	0.0255	2.0454	11.3370	-0.3738	-0.0006	-0.2070	0.0017	0.5537
20	18.63	-0.05	0.0102	0.0042	0.0172	-0.4002	-1.0700	-0.3503	0.0001	-0.1987	-0.0003	0.5575
21	18.74	-0.04	0.0005	0.0037	0.0190	-0.4337	-2.2900	-0.3603	0.0004	-0.2008	-0.0012	0.5575
22	18.90	-0.04	0.0005	0.0037	0.0204	-4.0000	-20.9300	-0.3402	0.0004	-0.1886	-0.0028	0.5544
23	19.13	-0.06	0.0125	0.0056	0.0103	-0.2517	-1.3354	-0.3350	0.0010	-0.1870	-0.0031	0.5583
24	19.27	-0.05	0.0105	0.0030	0.0105	-0.2071	-1.1775	-0.3100	0.0022	-0.1702	-0.0005	0.5594
25	19.42	-0.04	0.0010	0.0041	0.0203	2.2944	14.9372	-0.3150	0.0019	-0.1752	-0.0055	0.5562
26	19.60	-0.05	0.0023	0.0040	0.0233	-2.0000	-10.2040	-0.2905	0.0030	-0.1640	-0.0104	0.5607
27	19.75	-0.07	0.0020	0.0045	0.0270	2.2632	13.6531	-0.2452	0.0024	-0.1650	-0.0055	0.5605
28	19.91	-0.07	0.0003	0.0040	0.0241	-14.0007	-77.1374	-0.2021	0.0033	-0.1607	-0.0118	0.5657
29	20.00	-0.05	0.0051	0.0045	0.0220	-0.8776	-6.4309	-0.2702	0.0045	-0.1549	-0.0105	0.5731
30	20.21	-0.00	0.0055	0.0033	0.0230	-0.3510	-2.4340	-0.2042	0.0040	-0.1534	-0.0170	0.5715
31	20.37	-0.00	0.0042	0.0043	0.0275	0.8513	3.0345	-0.2501	0.0034	-0.1479	-0.0211	0.5777
32	20.52	-0.04	0.0035	0.0022	0.0124	-0.6724	-0.5240	-0.2432	0.0000	-0.1427	-0.0278	0.5805
33	20.60	-0.06	0.0071	0.0026	0.0240	-0.3670	-3.3843	-0.2257	0.0072	-0.1321	-0.0318	0.5856
34	20.80	-0.04	0.0112	0.0029	0.0105	-0.2593	-1.0444	-0.2193	0.0075	-0.1297	-0.0341	0.5913
35	20.91	-0.04	0.0004	0.0020	0.0226	-0.2340	-2.6352	-0.2075	0.0005	-0.1236	-0.0410	0.5941
36	21.07	-0.04	0.0009	0.0010	0.0235	-0.1515	-3.4709	-0.2050	0.0004	-0.1214	-0.0411	0.5920
37	21.22	-0.05	0.0172	0.0002	0.0150	0.0121	-0.9191	-0.1546	0.0100	-0.1117	-0.0575	0.6054
38	21.37	-0.05	0.0103	0.0007	0.0004	0.0241	-0.2120	-0.1708	0.0111	-0.1046	-0.0651	0.6121
39	21.55	-0.05	0.0100	0.0003	0.0005	0.0104	-0.1330	-0.1630	0.0113	-0.1003	-0.0655	0.6153
40	21.69	-0.07	0.0024	0.0000	0.0105	0.0000	-0.4221	-0.1537	0.0123	-0.0945	-0.0798	0.6150
41	21.80	-0.06	0.0105	0.0000	0.0150	0.0000	-0.0075	-0.1513	0.0121	-0.0937	-0.0757	0.6152
42	22.02	-0.00	0.0040	0.0024	0.0045	-0.0534	0.2130	-0.1305	0.0125	-0.0892	-0.0950	0.6176
43	22.17	-0.05	0.0049	0.0002	0.0027	-0.0000	-0.0772	-0.1251	0.0137	-0.0802	-0.1057	0.6411
44	22.33	-0.06	0.0025	0.0000	0.0033	0.0053	0.0054	-0.1205	0.0139	-0.0775	-0.1156	0.6405
45	22.43	-0.05	0.0010	0.0003	0.0000	0.0101	-0.1372	-0.1178	0.0141	-0.0755	-0.1200	0.6411
46	22.63	-0.07	0.0031	0.0012	0.0005	-0.0577	-0.0157	-0.1113	0.0143	-0.0729	-0.1250	0.6555

PAGE 2 OF 3
SHEET 2 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACR AXID-C			Phi		CNF		C	DEL1		DEL2		DEL3		DEL4		TRANSITION	
	1	1.5	1.10	1.7	C.C	0.10	0.34		0	-30	0	-30	0	-30	0	-30	UNKNOWN	
PLINT	ALPHA	BETA	CNF1	CH1	CB1	ACPF1	YCPF1	CNF2	CP2	LB2	XCPF2	YCPF2						
47	22.77	-0.00	-0.0373	0.0004	-0.0028	-0.0011	0.0750	-0.0923	0.0160	-0.0629	-0.1734	0.6809						
48	22.80	-0.04	-0.0190	0.0000	0.0125	-0.0328	-0.0761	-0.0930	0.0154	-0.0634	-0.1644	0.6773						
49	22.89	-0.08	-0.0341	0.0016	-0.0022	-0.0516	-0.0839	-0.0868	0.0159	-0.0595	-0.1832	0.6855						
50	23.09	-0.00	-0.0251	-0.0023	0.0065	0.0913	-0.3500	-0.0750	0.0174	-0.0535	-0.2297	0.7082						
51	23.26	-0.06	-0.0262	-0.0034	0.0140	0.1310	-0.5862	-0.0816	0.0173	-0.0571	-0.2115	0.6550						
52	23.40	-0.03	-0.0261	-0.0033	0.0112	0.1275	-0.4293	-0.0777	0.0178	-0.0538	-0.2289	0.6532						
53	23.44	-0.08	-0.0325	-0.0004	0.0023	0.0128	-0.0701	-0.0736	0.0182	-0.0515	-0.2472	0.7048						
54	23.46	-0.04	-0.0233	-0.0002	0.0053	0.0059	-0.4009	-0.0709	0.0179	-0.0508	-0.2522	0.7168						
55	23.48	-0.08	-0.0211	-0.0023	0.0133	0.1064	-0.6291	-0.0750	0.0178	-0.0502	-0.2541	0.7175						
56	23.48	-0.04	-0.0310	0.0052	-0.0034	-0.1040	0.1105	-0.0648	0.0172	-0.0463	-0.2648	0.7463						
57	23.47	-0.05	-0.0321	0.0007	-0.0032	-0.0227	0.1001	-0.0664	0.0185	-0.0485	-0.2786	0.7367						
58	23.48	-0.06	-0.0240	-0.0004	0.0080	0.0165	-0.3242	-0.0675	0.0172	-0.0459	-0.2542	0.7355						
59	23.47	-0.07	-0.0330	-0.0025	0.0060	0.0757	-0.1227	-0.0614	0.0177	-0.0565	-0.2171	0.6545						
60	23.45	-0.03	-0.0213	0.0025	0.0077	-0.1308	-0.3002	-0.0614	0.0172	-0.0465	-0.2192	0.7563						
61	23.48	-0.06	-0.0215	-0.0023	0.0140	0.1045	-0.6762	-0.0718	0.0175	-0.0510	-0.2489	0.7205						
62	23.50	-0.04	-0.0214	0.0026	0.0034	-0.1214	-0.1598	-0.0106	0.0220	-0.0195	-0.2674	1.8781						
63	25.55	-0.04	0.0262	0.0255	-0.0077	0.0901	-0.2124	0.0969	0.0260	0.0578	0.2629	0.3819						
64	26.10	-0.05	0.1175	0.0074	0.0383	0.2515	0.3258	0.1659	0.0312	0.0603	0.1660	0.4835						
65	30.65	0.03	0.1540	0.0168	0.0721	0.1222	0.4362	0.2642	0.0363	0.1537	0.1277	0.5410						
66	32.01	-0.02	0.0968	0.0062	0.0508	0.0632	0.5455	0.3713	0.0357	0.2067	0.0961	0.5568						
67	35.94	0.04	0.2462	0.0254	0.1175	0.1155	0.4791	0.5026	0.0288	0.2759	0.0573	0.5565						
68	39.58	-0.07	0.0485	0.0178	0.0202	0.3670	0.5417	0.6750	0.0296	0.3750	0.0440	0.5575						
69	38.79	-0.05	0.0855	0.0177	0.0442	0.2073	0.5163	0.6053	0.0282	0.3371	0.0465	0.5570						
70	36.63	-0.01	0.1052	0.0113	0.0535	0.1038	0.4941	0.5158	0.0315	0.2844	0.0613	0.5536						
71	34.35	-0.03	0.2258	0.0155	0.1044	0.0862	0.4625	0.3915	0.0335	0.2171	0.0855	0.5548						
72	31.50	-0.01	0.1086	0.0140	0.0515	0.1338	0.4769	0.2690	0.0387	0.1404	0.1438	0.5515						

PAGE 3 OF 3
SHEET 1 OF 2

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-C												PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION			
7												125	1.10	1.7	J.O	8140F34	C.C	0	-30	0	-30	UNKNOWN
PLINT	ALPHA	BETA	CNF1	CNF2	CNF3	CNF4	XCFF1	XCFF2	CNF4	CNF4	CNF4	XCFF4	YCFF4									
1	15.95	-0.02	0.0020	5.5555	0.0140	5.5555	0.2260	-0.5162	-0.0066	-0.3014	0.0127	0.5638										
2	15.93	-0.02	0.0020	5.5555	0.0140	5.5555	0.2428	-0.5220	-0.0065	-0.3053	0.0131	0.5642										
3	15.93	-0.02	0.0020	5.5555	0.0124	5.5555	0.2108	-0.5161	-0.0067	-0.3006	0.0125	0.5625										
4	15.93	-0.02	0.0020	5.5555	0.0130	5.5555	0.2252	-0.5167	-0.0067	-0.3033	0.0128	0.5648										
5	16.15	-0.04	0.0057	5.5555	0.0114	5.5555	0.2096	-0.4991	-0.0061	-0.2922	0.0123	0.5655										
6	16.25	-0.04	0.0061	5.5555	0.0133	5.5555	0.2213	-0.4994	-0.0063	-0.2890	0.0128	0.5646										
7	16.43	-0.04	0.0070	5.5555	0.0106	5.5555	0.2030	-0.4826	-0.0066	-0.2826	0.0136	0.5655										
8	16.63	-0.04	0.0092	5.5555	0.0095	5.5555	0.2371	-0.4806	-0.0068	-0.2798	0.0136	0.5622										
9	16.80	-0.04	0.0057	5.5555	0.0130	5.5555	0.2207	-0.4599	-0.0056	-0.2682	0.0122	0.5631										
10	16.94	-0.04	0.0052	5.5555	0.0157	5.5555	0.2403	-0.4582	-0.0058	-0.2670	0.0127	0.5627										
11	17.13	-0.04	0.0052	5.5555	0.0143	5.5555	0.2265	-0.4555	-0.0060	-0.2642	0.0132	0.5601										
12	17.30	-0.05	0.0054	5.5555	0.0131	5.5555	0.2202	-0.4400	-0.0055	-0.2545	0.0125	0.5783										
13	17.46	-0.05	0.0056	5.5555	0.0124	5.5555	0.2123	-0.4377	-0.0058	-0.2524	0.0132	0.5740										
14	17.63	-0.05	0.0056	5.5555	0.0133	5.5555	0.2233	-0.4213	-0.0058	-0.2423	0.0118	0.5752										
15	17.79	-0.05	0.0070	5.5555	0.0175	5.5555	0.2561	-0.4109	-0.0048	-0.2378	0.0116	0.5786										
16	17.97	-0.05	0.0094	5.5555	0.0066	5.5555	0.1743	-0.4002	-0.0037	-0.2303	0.0094	0.5755										
17	18.13	-0.04	0.0004	5.5555	0.0132	5.5555	0.2181	-0.3909	-0.0040	-0.2243	0.0101	0.5737										
18	18.29	-0.04	0.0004	5.5555	0.0132	5.5555	0.2181	-0.3920	-0.0038	-0.2243	0.0098	0.5722										
19	18.47	-0.04	0.0026	5.5555	0.0143	5.5555	0.2276	-0.3730	-0.0030	-0.2138	0.0081	0.5733										
20	18.63	-0.05	0.0014	5.5555	0.0102	5.5555	0.1939	-0.3684	-0.0028	-0.2079	0.0077	0.5674										
21	18.79	-0.04	0.0006	5.5555	0.0162	5.5555	0.2428	-0.3585	-0.0028	-0.2035	0.0078	0.5677										
22	18.96	-0.04	0.0074	5.5555	0.0201	5.5555	0.2692	-0.3304	-0.0015	-0.1914	0.0056	0.5696										
23	19.13	-0.06	0.0026	5.5555	0.0141	5.5555	0.2254	-0.3432	-0.0018	-0.1938	0.0051	0.5646										
24	19.27	-0.05	0.0036	5.5555	0.0144	5.5555	0.2255	-0.3204	-0.0001	-0.1811	0.0003	0.5652										
25	19.42	-0.04	0.0003	5.5555	0.0162	5.5555	0.2440	-0.3094	0.0003	-0.1735	-0.0010	0.5615										
26	19.60	-0.05	0.0012	5.5555	0.0135	5.5555	0.2270	-0.2976	0.0008	-0.1670	-0.0028	0.5613										
27	19.75	-0.07	0.0060	5.5555	0.0155	5.5555	0.2404	-0.2877	0.0016	-0.1620	-0.0054	0.5632										
28	19.91	-0.07	0.0053	5.5555	0.0113	5.5555	0.2044	-0.2912	0.0015	-0.1629	-0.0050	0.5592										
29	20.06	-0.05	0.0071	5.5555	0.0115	5.5555	0.2017	-0.2834	0.0022	-0.1570	-0.0078	0.5597										
30	20.21	-0.06	0.0087	5.5555	0.0123	5.5555	0.2101	-0.2730	0.0014	-0.1530	-0.0065	0.5604										
31	20.37	-0.06	0.0078	5.5555	0.0121	5.5555	0.2100	-0.2633	0.0029	-0.1475	-0.0111	0.5603										
32	20.52	-0.04	0.0005	5.5555	0.0127	5.5555	0.2077	-0.2669	0.0024	-0.1493	-0.0090	0.5593										
33	20.68	-0.06	0.0007	5.5555	0.0136	5.5555	0.2238	-0.2375	0.0040	-0.1339	-0.0166	0.5630										
34	20.80	-0.04	0.0056	5.5555	0.0126	5.5555	0.2107	-0.2391	0.0035	-0.1338	-0.0148	0.5596										
35	20.91	-0.04	0.0072	5.5555	0.0155	5.5555	0.2363	-0.2280	0.0045	-0.1272	-0.0196	0.5578										
36	21.07	-0.04	0.0071	5.5555	0.0163	5.5555	0.2429	-0.2215	0.0050	-0.1225	-0.0225	0.5532										
37	21.22	-0.05	0.0073	5.5555	0.0182	5.5555	0.2545	-0.2155	0.0053	-0.1185	-0.0246	0.5516										
38	21.37	-0.05	0.0073	5.5555	0.0182	5.5555	0.2545	-0.2138	0.0056	-0.1178	-0.0263	0.5513										
39	21.55	-0.05	0.0075	5.5555	0.0153	5.5555	0.2567	-0.2056	0.0064	-0.1125	-0.0314	0.5471										
40	21.65	-0.03	0.0076	5.5555	0.0182	5.5555	0.2579	-0.1875	0.0068	-0.1022	-0.0349	0.5451										
41	21.86	-0.06	0.0025	5.5555	0.0135	5.5555	0.2210	-0.1887	0.0071	-0.1022	-0.0375	0.5415										
42	22.02	-0.06	0.0073	5.5555	0.0178	5.5555	0.2502	-0.1893	0.0076	-0.1011	-0.0401	0.5342										
43	22.17	-0.05	0.0044	5.5555	0.0155	5.5555	0.2402	-0.1727	0.0078	-0.0932	-0.0452	0.5394										
44	22.33	-0.06	0.0071	5.5555	0.0154	5.5555	0.2504	-0.1665	0.0083	-0.0904	-0.0500	0.5428										
45	22.48	-0.05	0.0053	5.5555	0.0150	5.5555	0.2304	-0.1550	0.0076	-0.0842	-0.0617	0.5434										
46	22.63	-0.07	0.0084	5.5555	0.0130	5.5555	0.2219	-0.1519	0.0056	-0.0811	-0.0630	0.5340										

PAGE 3 OF 3
SHEET 2 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: RTIC-E				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 125 1.10 1.7				C.C. 0100F34	G.C		0	-30	0	-30	UNKNOWN		
FCINT	ALPHA	BETA	CNF3	CNF4	CNF5	XCPF3	YCPF3	CNF4	CNF5	XCPF4	YCPF4		
47	22.77	-0.00	0.0555	0.0555	0.0555	0.0555	0.1947	-0.1442	0.0102	-0.0764	-0.0707	0.5294	
48	22.80	-0.04	0.0513	0.0555	0.0555	0.0555	0.1761	-0.1357	0.0112	-0.0719	-0.0628	0.5298	
49	22.99	-0.08	0.0543	0.0555	0.0555	0.0555	0.1854	-0.1372	0.0105	-0.0720	-0.0765	0.5246	
50	23.09	-0.06	0.0543	0.0555	0.0555	0.0555	0.2214	-0.1114	0.0117	-0.0586	-0.1050	0.5235	
51	23.24	-0.06	0.0543	0.0555	0.0555	0.0555	0.2026	-0.1055	0.0119	-0.0530	-0.1179	0.5272	
52	23.40	-0.02	0.0543	0.0555	0.0555	0.0555	0.2775	-0.0578	0.0116	-0.0512	-0.1150	0.5238	
53	23.44	-0.08	0.0543	0.0555	0.0555	0.0555	0.2550	-0.1076	0.0112	-0.0544	-0.1043	0.5051	
54	23.46	-0.04	0.0555	0.0555	0.0555	0.0555	0.2194	-0.1082	0.0120	-0.0551	-0.1105	0.5089	
55	23.46	-0.08	0.0525	0.0555	0.0555	0.0555	0.2308	-0.0937	0.0130	-0.0473	-0.1367	0.5050	
56	23.46	-0.04	0.0555	0.0555	0.0555	0.0555	0.2025	-0.1161	0.0116	-0.0598	-0.0986	0.5059	
57	23.47	-0.05	0.0555	0.0555	0.0555	0.0555	0.2490	-0.1100	0.0123	-0.0560	-0.1115	0.5052	
58	23.46	-0.06	0.0465	0.0555	0.0555	0.0555	0.1362	-0.1015	0.0133	-0.0513	-0.1306	0.5040	
59	23.47	-0.07	0.0571	0.0555	0.0555	0.0555	0.2490	-0.1028	0.0114	-0.0523	-0.1112	0.5084	
60	23.45	-0.03	0.0465	0.0555	0.0555	0.0555	0.1574	-0.1069	0.0124	-0.0537	-0.1158	0.5027	
61	23.46	-0.06	0.0543	0.0555	0.0555	0.0555	0.2385	-0.1021	0.0119	-0.0513	-0.1161	0.5029	
62	23.50	-0.04	0.0571	0.0555	0.0555	0.0555	0.2171	-0.0554	0.0106	-0.0258	-0.3035	0.4661	
63	25.55	-0.04	0.0535	0.0555	0.0555	0.0555	0.3106	-0.0179	0.0227	0.0015	-1.2674	-0.0812	
64	28.10	-0.05	0.0524	0.0555	0.0555	0.0555	0.1344	0.0544	0.0335	0.0435	0.6233	0.8076	
65	30.05	0.03	0.1038	0.0555	0.0555	0.0555	0.3436	0.2195	0.0415	0.1411	0.1505	0.6428	
66	32.61	-0.02	0.0571	0.0555	0.0555	0.0555	0.2623	0.1447	0.0376	0.2222	0.1052	0.6447	
67	35.94	0.04	0.0574	0.0555	0.0555	0.0555	0.3120	0.4336	0.0405	0.2775	0.0542	0.6400	
68	39.90	-0.07	0.0421	0.0555	0.0555	0.0555	0.1552	0.5030	0.0351	0.3608	0.0671	0.6189	
69	38.79	-0.05	0.0423	0.0555	0.0555	0.0555	0.2231	0.5200	0.0351	0.3248	0.0752	0.6246	
70	30.63	-0.01	0.0701	0.0555	0.0555	0.0555	0.2704	0.4511	0.0368	0.2638	0.0860	0.6251	
71	34.35	-0.03	0.0533	0.0555	0.0555	0.0555	0.3326	0.3508	0.0405	0.2256	0.1156	0.6344	
72	31.56	-0.01	0.0665	0.0555	0.0555	0.0555	0.3326	0.2045	0.0430	0.1367	0.2105	0.6782	

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: RX10-6			Phi	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1 126 C.6C 1.7			C.0	110F23	C.0	0	-30	0	-30	UNKNOWN	
PLINT	ALPHA	BETA	CN	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP
1	-5.08	0.00	-0.8019	2.2654	C.0105	-0.0214	-0.0062	0.7129	0.3536	0.3591	-2.8299
2	-5.08	0.00	-0.8015	2.2655	-0.0201	-0.0296	-0.0062	0.7167	0.3557	0.3610	-2.8308
3	-5.08	0.00	-0.8152	2.2670	-0.0345	-0.0027	-0.0063	0.7202	0.3579	0.3623	-2.8176
4	-5.08	0.00	-0.8163	2.2665	-0.0214	-0.0279	-0.0063	0.7166	0.3538	0.3628	-2.7537
5	-5.08	0.00	-0.8022	2.2662	-0.0185	-0.0063	-0.0062	0.7217	0.3576	0.3635	-2.8548
6	-4.50	0.00	-0.7717	2.2664	-0.0774	-0.0241	-0.0062	0.7234	0.3572	0.3627	-2.5364
7	-3.56	0.01	-0.8065	2.2581	C.0107	-0.0210	-0.0056	0.7104	0.3474	0.3630	-3.3458
8	-1.73	0.01	-0.5464	2.2553	C.0106	-0.0209	-0.0050	0.6753	0.3256	0.3495	-4.1277
9	0.13	0.00	-0.5305	2.2505	C.0245	-0.0336	-0.0043	0.6412	0.2636	0.3776	-5.0718
10	1.46	0.0	-0.4506	2.2337	-0.0025	0.0174	-0.0037	0.6024	0.2337	0.3877	-6.5101
11	3.66	0.00	-0.3034	3.1073	-0.0015	0.0422	-0.0031	0.6023	0.2189	0.3834	-8.5505
12	5.04	-0.00	-0.2424	3.1176	-0.0327	0.0210	-0.0024	0.5053	0.2102	0.3751	-12.6610
13	7.48	-0.00	-0.1220	3.1413	-0.0613	0.0060	-0.0016	0.5598	0.2061	0.3537	-25.7560
14	9.30	0.00	0.0453	3.0517	-0.0054	-0.0166	-0.0081	0.5314	0.2079	0.3240	61.8677
15	11.09	-0.00	0.2212	2.5733	-0.0480	-0.0235	-0.0075	0.4553	0.2066	0.2886	13.4408
16	12.62	-0.00	0.4330	2.8252	-0.0495	0.0004	0.0005	0.4024	0.2084	0.2545	6.5245
17	14.73	-0.00	0.6840	2.8152	-0.0247	0.0546	0.0011	0.4255	0.2058	0.2157	3.8157
18	16.60	-0.01	0.9133	2.8236	-0.0676	0.1360	0.0086	0.3712	0.2112	0.1600	2.5442
19	18.45	-0.02	1.2130	1.5572	-0.2607	0.5900	0.0153	0.3106	0.2136	0.1053	1.6132
20	20.29	-0.02	1.4746	1.6613	-0.3608	0.6936	0.0152	0.2765	0.2206	0.0561	1.1402
21	22.15	-0.03	1.7757	1.4160	-0.5450	1.4717	0.0143	0.2395	0.2347	0.0048	0.7956
22	24.01	-0.04	2.0825	1.1543	-0.6947	1.6756	0.0141	0.1970	0.2406	-0.0436	0.5543
23	25.82	-0.05	2.4044	1.0015	-0.8584	1.3211	0.0100	0.1456	0.2415	-0.0957	0.4167
24	27.69	0.01	2.7666	0.5903	-0.2070	-0.2542	0.0518	0.0839	0.2425	-0.1566	0.3560
25	28.75	0.01	2.8480	1.0046	0.1985	0.0417	0.0444	0.0498	0.2420	-0.1922	0.3467
26	26.66	-0.04	2.5159	1.0246	0.0013	0.4224	0.0219	0.0435	0.2402	-0.1467	0.3514
27	26.01	0.00	2.5681	1.0045	0.0464	0.4164	0.0292	0.0418	0.2425	-0.2007	0.3362
28	25.28	0.02	3.0735	0.5214	0.2764	-0.0915	0.0067	0.0308	0.2432	-0.2144	0.2598
29	25.61	0.02	3.0522	0.5687	0.2637	-0.0791	0.0526	0.0262	0.2448	-0.2186	0.3133
30	25.88	0.02	3.1405	0.5353	0.2746	0.1406	0.0521	0.0212	0.2459	-0.2287	0.2538
31	30.15	0.03	3.2371	0.2520	0.3854	-0.0661	0.0671	0.0106	0.2465	-0.2379	0.2756
32	30.43	0.03	3.2546	0.2832	0.2517	0.2014	0.0593	-0.0017	0.2504	-0.2526	0.2681
33	30.09	0.02	3.4044	0.8406	0.2102	0.4776	0.0517	-0.0083	0.2541	-0.2624	0.2469
34	30.57	0.02	3.4588	0.7825	0.2696	0.4344	0.0519	-0.0118	0.2564	-0.2682	0.2262
35	31.24	0.02	3.5153	0.7388	0.2145	0.7740	0.0509	-0.0185	0.2620	-0.2805	0.2102
36	31.52	0.04	3.6034	0.7063	0.3340	0.7127	0.0512	-0.0243	0.2624	-0.2918	0.1960
37	31.77	0.01	3.6404	0.6265	-0.0561	1.7065	0.0124	-0.0317	0.2684	-0.3002	0.1722
38	31.05	0.01	3.7011	0.5530	0.0306	1.6286	0.0127	-0.0307	0.2706	-0.3096	0.1496
39	32.31	0.02	3.7536	0.5685	0.0666	1.7358	0.0196	-0.0324	0.2746	-0.3271	0.1500
40	32.56	0.02	3.8239	0.6354	0.1445	1.4708	0.0137	-0.0349	0.2764	-0.3314	0.1662
41	32.63	0.03	3.8126	0.6016	0.1756	1.5858	0.0208	-0.0352	0.2741	-0.3354	0.1538
42	33.08	0.02	3.8222	0.5901	0.1346	1.5731	0.0211	-0.0367	0.2737	-0.3415	0.1489
43	33.52	0.04	4.0762	0.7646	0.3055	1.0405	0.0163	-0.0315	0.2704	-0.3620	0.1875
44	33.56	0.03	4.1564	0.8451	0.3652	1.0103	0.0239	-0.0368	0.2726	-0.3597	0.1947
45	33.62	0.04	4.2517	0.7747	0.3555	1.0076	0.0243	-0.0361	0.2760	-0.3722	0.1805
46	34.07	0.05	4.3646	0.2312	0.4052	1.2679	0.0237	-0.0332	0.2863	-0.3796	0.1504

PAGE 1 OF 3
SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART		MACF	RAIC-E	PHI	CCNF	L	DECI	DEL2	DEL3	DEL4	TRANSITION
1		126 C.00	1.7	C.C	0.10CF23	U.C	U	-30	U	-30	UNKNOWN
PLINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	34.33	0.05	4.4545	0.6322	0.3577	1.3431	0.0237	-0.1032	0.2911	-0.3942	0.1868
48	34.38	0.06	4.5314	0.6618	0.4661	1.2258	0.0244	-0.1054	0.2925	-0.3978	0.1902
49	34.80	0.08	4.6015	0.7723	0.4415	1.8111	0.0160	-0.1017	0.3125	-0.4141	0.1678
50	35.06	0.08	4.7505	0.5718	0.4159	2.0546	0.0147	-0.0861	0.3269	-0.4130	0.1153
51	35.31	0.07	4.9215	0.5688	0.4705	1.6714	0.0233	-0.0957	0.3350	-0.4307	0.1154
52	35.53	0.07	4.9111	0.7377	0.6133	1.3640	0.0179	-0.1157	0.3215	-0.4371	0.1502
53	35.77	0.06	4.8455	0.5162	0.5437	0.2685	0.0367	-0.1455	0.2892	-0.4367	0.1689
54	35.99	0.06	4.8752	0.5149	0.6553	-0.1167	0.0361	-0.1593	0.2943	-0.4535	0.1875
55	36.22	0.07	4.9843	0.6674	0.6523	-0.1750	0.0461	-0.1609	0.2942	-0.4550	0.1780
56	36.40	0.07	5.0681	0.6657	0.7180	-0.0603	0.0239	-0.1484	0.3155	-0.4638	0.1740
57	36.70	0.07	5.1354	0.6511	0.6751	-0.2350	0.0325	-0.1556	0.3098	-0.4653	0.1658
58	36.93	0.07	5.2051	0.6433	0.7275	-0.1315	0.0251	-0.1485	0.3212	-0.4696	0.1619
59	37.17	0.08	5.3346	0.6502	0.6721	0.5577	-0.0062	-0.1265	0.3368	-0.4652	0.1555
60	37.40	0.08	5.3576	0.6054	0.6724	0.6242	-0.0133	-0.1334	0.3420	-0.4758	0.1685
61	37.63	0.08	5.5281	0.7351	0.5577	1.5651	-0.0363	-0.1178	0.3585	-0.4760	0.1350
62	37.86	0.07	5.5284	0.6655	0.6035	1.5620	-0.0375	-0.1306	0.3549	-0.4855	0.1410
63	38.10	0.08	5.6855	0.7103	0.5505	2.1355	-0.0617	-0.1255	0.3656	-0.4913	0.1248
64	38.33	0.07	5.7638	0.6700	0.4323	2.8459	-0.0359	-0.1365	0.3706	-0.5054	0.1162
65	38.57	0.07	5.8871	0.6823	0.4273	2.7467	-0.0850	-0.1380	0.3736	-0.5118	0.1159
66	38.77	0.06	5.9422	0.6921	0.4458	2.6147	-0.0853	-0.1340	0.3750	-0.5050	0.1172
67	39.00	0.07	6.0784	0.5990	0.3342	3.3368	-0.1013	-0.1535	0.3745	-0.5284	0.0986
68	39.20	0.07	6.1013	0.5300	0.3624	3.2842	-0.1011	-0.1476	0.3741	-0.5217	0.0869
69	39.43	0.07	6.3436	0.4403	0.3475	3.5930	-0.1089	-0.1565	0.3691	-0.5276	0.0694
70	39.63	0.07	6.3512	0.5411	0.2600	3.6908	-0.1164	-0.1630	0.3689	-0.5315	0.0847
71	39.85	0.06	6.5044	0.3844	0.3258	3.8675	-0.1169	-0.1554	0.3746	-0.5300	0.0560
72	40.06	0.07	6.5014	0.6387	0.3650	3.4103	-0.1003	-0.1670	0.3708	-0.5378	0.0979
73	40.23	0.07	6.4950	0.6087	0.3213	3.3771	-0.1001	-0.1691	0.3774	-0.5465	0.0937
74	40.45	0.05	6.6587	0.4353	0.4777	3.6569	-0.0940	-0.1694	0.3763	-0.5457	0.0660
75	40.66	0.08	6.7084	0.5808	0.4586	3.3212	-0.0847	-0.1603	0.3873	-0.5476	0.0866
76	40.85	0.08	6.6922	0.6458	0.3111	3.1276	-0.0841	-0.1590	0.3978	-0.5568	0.0971
77	41.07	0.05	6.7502	0.8535	0.2455	2.3577	-0.0736	-0.1669	0.4034	-0.5703	0.1324
78	41.27	0.08	6.7663	0.8926	0.6184	2.7505	-0.0676	-0.1583	0.4068	-0.5651	0.1314
79	41.46	0.08	6.9244	0.5685	0.6466	2.7322	-0.0670	-0.1720	0.4115	-0.5835	0.1399
80	41.64	0.06	6.8508	1.0553	0.6015	2.4322	-0.0859	-0.1721	0.4082	-0.5803	0.1605
81	41.86	0.08	7.1031	0.8875	0.6438	2.5584	-0.0746	-0.1679	0.4215	-0.5894	0.1221
82	42.06	0.05	7.1621	0.6405	0.5082	2.3621	-0.0831	-0.1853	0.4096	-0.5949	0.1174
83	42.26	0.08	7.1518	0.5540	0.6282	2.5595	-0.0742	-0.1778	0.4172	-0.5950	0.1350
84	42.42	0.08	7.2352	0.9151	0.6600	2.9698	-0.0813	-0.1818	0.4176	-0.5994	0.1261
85	42.61	0.08	7.3010	0.8505	0.6431	3.2754	-0.0822	-0.1879	0.4143	-0.6022	0.1153
86	42.78	0.07	7.3751	0.8961	0.5500	3.1276	-0.0813	-0.1820	0.4196	-0.6016	0.1215
87	42.96	0.05	7.4702	0.5116	0.6426	3.2491	-0.0815	-0.1783	0.4277	-0.6080	0.1220
88	43.15	0.09	7.5510	0.8230	0.6507	3.2887	-0.0812	-0.1763	0.4216	-0.5959	0.1084
89	43.34	0.10	7.7512	0.7288	0.7554	3.4348	-0.0887	-0.1884	0.4226	-0.6050	0.0939
90	43.53	0.09	7.9000	0.5972	0.7471	3.4580	-0.0884	-0.1829	0.4245	-0.6074	0.0755
91	43.69	0.10	7.9881	0.6258	0.7775	3.4862	-0.0878	-0.1765	0.4270	-0.6035	0.0788
92	43.88	0.10	8.1025	0.5033	0.6626	3.6574	-0.0950	-0.1791	0.4278	-0.6069	0.0621

PAGE 1 OF 3
SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	RYIC-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	126	0.00	1.7	C.C	0.100-23	C.C	0	-30	0	-30	UNKNOWN
PLINT	ALPHA	BETA	CA	CLM	CY	CLN	CLL	CA	CAB	CAF	MCP
93	44.07	0.09	0.1158	C.5812	C.8003	3.6505	-0.0680	-0.1865	0.4298	-0.6163	0.0718
94	44.24	0.10	0.1717	C.5422	C.8554	3.5380	-0.0673	-0.1766	0.4289	-0.6075	0.0663
95	44.43	0.10	0.2463	C.4717	C.8587	3.4715	-0.0942	-0.1753	0.4346	-0.6099	0.0572
96	44.63	0.09	0.3718	C.4058	C.8097	3.3544	-0.0505	-0.1714	0.4417	-0.6131	0.0556
97	44.81	0.10	0.4589	C.3854	C.8007	3.5346	-0.0862	-0.1707	0.4418	-0.6205	0.0456
98	44.97	0.11	0.5003	C.3550	C.8084	3.5250	-0.0786	-0.1729	0.4423	-0.6152	0.0414
99	45.15	0.10	0.5276	C.3651	C.8722	3.4512	-0.0853	-0.1852	0.4386	-0.6238	0.0667
100	45.35	0.09	0.6060	C.3435	C.8133	3.4430	-0.0776	-0.1817	0.4401	-0.6258	0.0453
101	45.51	0.09	0.6690	C.4487	C.8758	3.3897	-0.0596	-0.1771	0.4466	-0.6237	0.0518
102	45.68	0.09	0.7287	C.4358	C.8050	3.3700	-0.0707	-0.1842	0.4490	-0.6332	0.0504
103	45.86	0.09	0.8786	C.3406	C.8540	3.5524	-0.0624	-0.1877	0.4514	-0.6351	0.0384
104	46.04	0.08	0.9034	C.3337	C.7638	3.3125	-0.0607	-0.1795	0.4500	-0.6361	0.0371
105	46.23	0.09	0.9428	C.3255	C.8758	3.4200	-0.0537	-0.1794	0.4605	-0.6403	0.0360
106	46.34	0.09	0.9605	C.3211	C.8570	3.4180	-0.0533	-0.1858	0.4596	-0.6454	0.0353
107	46.50	0.09	0.9677	C.2550	C.8741	3.4142	-0.0530	-0.1837	0.4615	-0.6452	0.0278
108	46.75	0.09	0.9441	C.0653	C.8709	3.3659	-0.0590	-0.1949	0.4605	-0.6554	0.0070
109	46.92	0.09	0.9309	C.1480	C.8091	3.5418	-0.0520	-0.2034	0.4576	-0.6612	0.0211
110	47.08	0.09	0.9453	C.1761	C.8057	3.5212	-0.0525	-0.2029	0.4644	-0.6673	0.0186
111	47.24	0.09	0.9005	C.0630	C.8032	3.4051	-0.0518	-0.2019	0.4629	-0.6648	0.0452
112	47.45	0.09	0.9211	C.3549	C.8144	3.6073	-0.0451	-0.1927	0.4747	-0.6674	0.0377
113	47.61	0.09	0.9520	C.4242	C.8121	3.6082	-0.0519	-0.2049	0.4742	-0.6792	0.0444
114	47.76	0.09	0.9553	C.3113	C.8101	3.5712	-0.0444	-0.1912	0.4814	-0.6725	0.0535
115	47.94	0.08	0.9576	C.3548	C.8586	3.4455	-0.0436	-0.2104	0.4736	-0.6643	0.0685
116	48.11	0.08	0.9445	C.7549	C.8527	3.3855	-0.0433	-0.2190	0.4725	-0.6620	0.0791
117	48.27	0.07	0.9433	C.7928	C.8347	3.4103	-0.0434	-0.2313	0.4617	-0.6931	0.0831
118	48.44	0.06	0.9547	C.8415	C.7302	3.3771	-0.0500	-0.2284	0.4576	-0.6861	0.0881
119	48.56	0.05	0.9527	C.5882	C.8580	3.1929	-0.0418	-0.2543	0.4404	-0.6948	0.1037
120	48.76	0.04	0.9405	1.2568	C.8455	3.0605	-0.0474	-0.2704	0.4441	-0.7146	0.1325
121	48.94	0.05	0.9517	1.1181	C.8285	3.1886	-0.0479	-0.2651	0.4376	-0.7008	0.1171
122	49.11	0.04	0.9571	1.2628	C.8751	3.0332	-0.0470	-0.2899	0.4255	-0.7154	0.1319
123	49.27	0.03	0.9421	1.7518	C.4510	2.6869	-0.0364	-0.3139	0.4106	-0.7245	0.1838
124	49.45	0.01	0.9301	2.0551	C.3154	2.4894	-0.0460	-0.3275	0.3911	-0.7186	0.2263
125	49.61	0.01	0.9257	2.4632	C.3636	2.1523	-0.0502	-0.3612	0.3688	-0.7300	0.2661
126	49.77	0.00	0.9221	2.5588	C.2010	2.0535	-0.0303	-0.3892	0.3715	-0.7407	0.2773
127	49.95	0.02	0.9445	2.3015	C.4215	2.3538	-0.0438	-0.3604	0.3906	-0.7510	0.2437
129	50.30	0.01	0.9055	1.7743	C.3288	2.6501	-0.0440	-0.3524	0.4133	-0.7477	0.1829
130	50.47	0.01	0.9205	1.8708	C.4002	2.2580	-0.0358	-0.3336	0.4110	-0.7446	0.1935
131	50.64	0.02	0.8482	1.5210	C.5290	2.4331	-0.0380	-0.3317	0.4190	-0.7507	0.1945
132	50.80	0.02	0.8666	1.3617	C.4386	2.4414	-0.0358	-0.3328	0.4214	-0.7542	0.1396
133	50.98	0.03	0.8059	1.2225	C.4674	2.0670	-0.0370	-0.3109	0.4065	-0.7370	0.1222
134	51.15	0.03	1.0287	1.0550	C.5858	2.5406	-0.0369	-0.3311	0.4460	-0.7771	0.1064
135	51.31	0.03	1.0320	0.9253	C.4572	3.4008	-0.0384	-0.2803	0.4810	-0.7699	0.0500
136	51.51	0.05	1.0643	0.5872	0.5414	3.8703	-0.0249	-0.2791	0.5064	-0.7855	0.0552
137	51.60	0.04	1.0645	C.4575	C.4576	3.5113	-0.0250	-0.2783	0.5241	-0.8024	0.0467
138	51.86	0.05	1.0827	C.3565	C.6285	4.3810	-0.0338	-0.2860	0.5353	-0.8213	0.0330
139	52.01	0.06	1.0400	C.3884	0.7233	4.4155	-0.0412	-0.2420	0.5332	-0.8251	0.0356

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIS-E PHI CLCF C DECI DEL2 DEL3 DEL4 TRANSITION											
7	1.26	0.00	1.7	C.C. 8100F29	0.0	0	-30	0	-30	UNKNOWN	
FCINT	ALPHA	BETA	CA	CLM	CY	CLN	CLL	CA	CAE	CAF	XCP
140	52.19	0.07	11.0774	C.2327	C.8271	4.6280	-0.0417	-0.3066	0.5300	-0.6365	0.0210
141	52.35	0.06	10.9652	C.2358	C.7535	4.3705	-0.0411	-0.3062	0.5352	-0.6433	0.0215
142	52.51	0.07	11.1054	C.1335	C.7896	4.4508	-0.0411	-0.3192	0.5395	-0.6566	0.0120
143	52.67	0.07	11.0627	C.2872	C.8005	4.3628	-0.0409	-0.3220	0.5381	-0.6600	0.0260
144	52.85	0.06	11.1332	C.1603	C.5382	4.2345	-0.0410	-0.3224	0.5194	-0.6417	0.0144
145	53.00	0.08	11.1159	-C.0225	C.5352	4.2209	-0.0409	-0.3252	0.5242	-0.6457	-0.0020
146	53.18	0.10	11.4030	-C.1867	1.2651	3.6815	-0.0241	-0.3487	0.4572	-0.6458	-0.0164
147	53.32	0.08	11.3123	-0.1325	1.0561	4.1102	-0.0403	-0.3407	0.5054	-0.6460	-0.0117
148	53.50	0.09	11.3955	-C.1455	1.1081	3.8746	-0.0395	-0.3613	0.4982	-0.6594	-C.0132
149	53.64	0.10	11.5488	-0.3989	1.3004	3.6382	-0.0238	-0.3608	0.5069	-0.6735	-0.0344
150	53.81	0.10	11.6135	-C.4304	1.4277	3.0537	0.0305	-0.3433	0.5175	-0.6607	-C.0364
151	53.99	0.10	11.8654	-C.4832	1.4247	2.5775	0.0017	-0.3481	0.5217	-0.6698	-0.0407
152	54.13	0.11	11.5002	-C.5632	1.4656	2.6501	-0.0129	-0.3424	0.5435	-0.6863	-0.0473
153	54.32	0.11	12.2501	-C.6073	1.5732	2.7675	0.0180	-0.3340	0.5563	-0.6903	-0.0660
154	54.47	0.11	12.2449	-C.6145	1.5578	2.3216	0.0420	-0.3511	0.5486	-0.6957	-C.0502
155	54.61	0.09	12.1565	-C.6160	1.3666	2.4537	0.0414	-0.3497	0.5439	-0.6936	-0.0507
156	54.77	0.10	12.2561	-C.6384	1.3614	2.5510	0.0417	-0.3510	0.5564	-0.6974	-0.0521
157	54.93	0.10	12.3256	-C.6351	1.3471	2.8374	0.0409	-0.3414	0.5602	-0.6966	-0.0518
158	55.10	0.09	12.6273	-C.8322	1.1852	2.7814	0.0424	-0.3478	0.5731	-0.6920	-0.0654
159	55.23	0.08	12.5436	-C.8255	1.0596	3.0225	0.0411	-0.3408	0.5736	-0.6914	-C.0508
160	55.37	0.08	12.3666	-C.8573	1.1215	2.7122	0.0421	-0.3509	0.5775	-0.6928	-C.0531
161	55.55	0.08	12.5612	-C.7012	1.0620	2.5508	0.0418	-0.3343	0.5842	-0.6918	-0.0558
162	55.72	0.05	12.7763	-C.8505	1.1895	3.0253	0.0421	-0.3505	0.5587	-0.6942	-0.0668
163	55.88	0.07	12.5745	-C.5565	1.0415	2.9091	0.0423	-0.3472	0.5915	-0.6991	-0.0476
164	56.05	0.08	12.6712	-C.5825	1.2327	2.5299	0.0423	-0.3575	0.5855	-0.6974	-C.0460
165	56.21	0.09	12.7303	-C.6051	1.2626	2.5154	0.0425	-0.3550	0.5542	-0.6942	-0.0478
166	56.38	0.08	12.7635	-C.7593	1.2145	2.8433	0.0427	-0.3540	0.6021	-0.6956	-0.0565
167	56.53	0.06	12.6624	-C.6363	0.5715	2.7153	0.0360	-0.3521	0.6005	-0.6910	-0.0502
168	56.70	0.08	12.8623	-C.6143	1.1561	2.8312	0.0435	-0.3608	0.6053	-0.6970	-0.0478
169	56.85	0.06	12.6506	-C.5504	0.5573	2.9645	0.0434	-0.3553	0.6161	-0.6974	-0.0459
170	57.02	0.07	12.5701	-C.7356	1.0826	3.0643	0.0430	-0.3773	0.6268	-1.0041	-0.0567
171	57.19	0.08	13.0943	-C.6085	1.1272	3.0292	0.0436	-0.3531	0.6253	-0.6984	-0.0465
172	57.33	0.07	13.1202	-C.7357	1.0452	3.0050	0.0440	-0.3716	0.6227	-0.6953	-0.0561
173	57.47	0.06	13.0009	-C.6626	1.1750	2.7655	0.0445	-0.3780	0.6237	-1.0017	-C.0510
174	57.62	0.05	12.5738	-C.3644	0.5577	2.8350	0.0372	-0.3843	0.6236	-0.6987	-0.0265
175	57.79	0.07	13.2255	-C.7777	1.0631	3.0666	0.0441	-0.3440	0.6365	-0.6909	-0.0588
176	57.92	0.05	13.1781	-C.5010	0.5561	2.5551	0.0314	-0.3595	0.6275	-0.6970	-0.0380
177	58.08	0.05	13.1111	-C.4485	0.5144	2.6621	0.0459	-0.3603	0.6395	-0.6958	-0.0342
178	58.16	0.05	13.2655	-C.5250	0.5155	2.4588	0.0324	-0.3649	0.6401	-1.0050	-0.0399

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		HACF RX10-6		PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		126 C.80 1.7		C.C 810CF23		C.0	0	-30	0	-30	UNKNOWN	
FLINT	ALPHA	BETA	CONF1	CH1	CB1	ACPF1	YCPF1	CONF2	CH2	CB2	ACPF2	YCPF2
1	-5.08	0.00	-0.0045	-0.0022	C.C268	-0.0342	-0.4131	-0.7448	-0.0353	-0.3865	C.0474	0.5190
2	-5.08	0.00	-0.0041	-0.0017	C.C332	-0.0341	-0.6132	-0.7362	-0.0353	-0.3860	C.0478	0.5226
3	-5.08	0.00	-0.0069	-0.0026	C.C317	-0.0458	-0.5576	-0.7447	-0.0356	-0.3875	C.0478	0.5205
4	-5.08	0.00	-0.0064	-0.0026	C.C268	-0.0462	-0.4957	-0.7415	-0.0353	-0.3863	C.0476	0.5210
5	-5.08	0.00	-0.0040	-0.0017	C.C305	-0.0571	-0.5714	-0.7430	-0.0354	-0.3871	C.0477	0.5210
6	-4.50	0.00	-0.0063	-0.0017	C.C311	-0.0274	-0.6274	-0.7366	-0.0354	-0.3840	C.0481	0.5214
7	-3.50	0.01	-0.0069	-0.0022	C.C317	-0.0390	-0.5576	-0.7000	-0.0343	-0.3726	C.0491	0.5323
8	-1.75	0.01	-0.0038	-0.0017	C.C302	-0.0323	-0.5717	-0.6619	-0.0321	-0.3506	C.0485	0.5388
9	0.13	0.00	-0.0032	-0.0017	C.C311	-0.0443	-0.7931	-0.7681	-0.0337	-0.3771	C.0438	0.4505
10	1.96	0.00	-0.0443	-0.0014	C.C254	-0.0305	-0.5730	-0.6150	-0.0343	-0.3842	C.0420	0.4714
11	3.86	0.00	-0.0442	C.0	C.C253	C.C	-0.5721	-0.6186	-0.0365	-0.3731	C.0446	0.4558
12	5.64	-0.00	-0.0414	-0.0014	C.C268	C.C326	-0.6400	-0.7867	-0.0430	-0.3450	C.0554	0.4430
13	7.48	-0.00	-0.0549	-0.0022	C.C195	C.1195	-0.3820	-0.7401	-0.0521	-0.3262	C.0704	0.4435
14	9.30	0.00	-0.0720	-0.0010	C.C166	C.1526	-0.2306	-0.7003	-0.0545	-0.3038	C.0778	0.4335
15	11.09	-0.00	-0.0730	-0.0053	C.C241	C.1266	-0.3303	-0.6361	-0.0538	-0.2882	C.0646	0.4531
16	12.92	-0.00	-0.0961	-0.0057	C.C267	C.1015	-0.5112	-0.5719	-0.0526	-0.2752	C.0920	0.4812
17	14.73	-0.00	-0.0530	-0.0022	C.C277	C.1166	-0.5226	-0.4820	-0.0482	-0.2376	C.1001	0.4535
18	16.60	-0.01	-0.0474	-0.0026	C.C307	C.1305	-0.6477	-0.3647	-0.0403	-0.1909	C.1106	0.5233
19	18.49	-0.02	-0.0536	-0.0027	C.C355	C.2374	-0.6691	-0.2543	-0.0282	-0.1405	C.1108	0.5524
20	20.29	-0.02	-0.0630	-0.0026	C.C442	C.3783	-0.7014	-0.1936	-0.0173	-0.0585	C.0882	0.5032
21	22.15	-0.03	-0.1312	-0.0366	C.C256	C.2767	-0.2272	-0.1392	-0.0061	-0.0730	C.0437	0.5246
22	24.01	-0.04	-0.1752	-0.0375	C.C450	C.2164	-0.0286	-0.0576	-0.0099	-0.0351	C.01725	0.6047
23	25.82	-0.03	-0.1724	-0.0278	-0.0215	C.1612	0.1248	0.0365	0.0305	-0.0012	C.0272	-0.0314
24	27.69	0.01	0.1064	0.0124	C.1110	C.1160	1.0426	0.1503	0.0522	0.0408	C.3472	0.2715
25	28.75	0.01	0.1066	0.0128	C.1112	C.1204	1.0425	0.1786	0.0554	0.0550	C.3324	0.3076
26	28.66	-0.04	-0.0010	C.0	C.C563	C.C	-0.3000	0.1596	0.0562	0.0445	C.3514	C.3098
27	29.01	0.00	C.C765	C.0106	C.C588	C.1345	1.2420	0.1815	0.0614	0.0643	C.3381	0.3541
28	29.28	0.02	C.1261	C.0151	C.1274	C.1175	0.9940	0.2005	0.0645	0.0710	C.3219	C.3542
29	29.61	0.02	0.0955	C.C111	C.1101	C.1164	1.1549	0.2009	0.0646	0.0712	C.3218	C.3545
30	29.88	0.02	0.0812	C.C057	C.1447	C.1200	1.2606	0.2134	0.0674	0.0774	C.3183	C.3626
31	30.15	0.03	0.1344	0.0164	C.1255	C.1220	0.9366	0.2262	0.0655	0.0811	C.3072	0.3586
32	30.43	0.03	0.1293	C.0151	0.1202	C.1164	0.9294	0.2324	0.0704	0.0855	C.3036	C.3678
33	30.69	0.02	C.C742	C.0111	C.C585	C.1401	1.2436	0.2353	0.0719	0.0875	C.3064	0.3657
34	30.97	0.02	0.1126	C.0151	C.1124	C.1334	0.9906	0.2553	0.0731	0.0927	C.2865	C.3632
35	31.24	0.02	C.0175	C.C045	C.C735	C.2818	4.2520	0.2519	0.0738	0.0938	C.2930	C.3723
36	31.52	0.04	-0.0450	-0.0005	C.C586	C.0066	-0.7913	0.2408	0.0745	0.0846	C.2993	C.3602
37	31.77	0.01	-0.2417	-0.0222	-0.0461	C.0918	0.1904	0.2424	0.0745	0.0865	C.3073	0.3571
38	32.05	0.01	-0.1776	-0.0142	-0.0196	C.C798	0.1114	0.2653	0.0765	0.0939	C.2858	C.3538
39	32.31	0.02	-0.1640	-0.0138	-0.0177	C.C616	0.1045	0.2762	0.0779	0.0988	C.2799	0.3552
40	32.56	0.02	-0.1938	-0.0142	-0.0324	C.0732	0.1697	0.2973	0.0791	0.1094	C.2661	0.3601
41	32.83	0.03	-0.1575	-0.0120	-0.0182	C.C760	0.1329	0.3102	0.0798	0.1116	C.2572	C.3605
42	33.08	0.02	-0.1575	-0.0111	-0.0187	C.0765	0.1169	0.3172	0.0806	0.1152	C.2540	0.3632
43	33.32	0.04	-0.1179	-0.0067	-0.0041	C.0965	0.0552	0.3494	0.0812	0.1269	C.2325	0.3632
44	33.56	0.03	-0.1206	-0.0053	-0.0065	C.0440	0.0568	0.3558	0.0819	0.1288	C.2302	0.3620
45	33.82	0.04	-0.1104	-0.0056	-0.0058	C.0323	-0.0524	0.3685	0.0836	0.1376	C.2268	0.3734
46	34.07	0.05	-0.1352	-0.0066	-0.0014	0.0575	0.0097	0.3660	0.0834	0.1376	C.2278	C.3760

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

POINT	TEST PART		MACH		RXIC-8		PHI	CCNF	C	CEL1	DEL2	CEL3	DEL4	TRANSITION
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8	CONF9	CONF10	CONF11	CONF12
47	34.33	0.05	-0.1186	-0.0049	-0.0015	-0.0015	-0.0015	-0.0015	-0.0015	-0.0015	-0.0015	-0.0015	-0.0015	-0.0015
48	34.38	0.05	-0.0821	-0.0017	-0.0014	-0.0014	-0.0014	-0.0014	-0.0014	-0.0014	-0.0014	-0.0014	-0.0014	-0.0014
49	34.63	0.06	-0.1644	-0.0058	-0.0143	-0.0058	-0.0058	-0.0058	-0.0058	-0.0058	-0.0058	-0.0058	-0.0058	-0.0058
50	35.08	0.06	-0.2048	-0.0152	-0.0206	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152
51	35.31	0.07	-0.1580	-0.0075	-0.0074	-0.0074	-0.0074	-0.0074	-0.0074	-0.0074	-0.0074	-0.0074	-0.0074	-0.0074
52	35.53	0.07	-0.1343	-0.0076	-0.0042	-0.0042	-0.0042	-0.0042	-0.0042	-0.0042	-0.0042	-0.0042	-0.0042	-0.0042
53	35.77	0.08	-0.0033	-0.0135	-0.0463	-0.0463	-0.0463	-0.0463	-0.0463	-0.0463	-0.0463	-0.0463	-0.0463	-0.0463
54	35.99	0.08	-0.0031	-0.0020	-0.0732	-0.0732	-0.0732	-0.0732	-0.0732	-0.0732	-0.0732	-0.0732	-0.0732	-0.0732
55	36.22	0.07	-0.0363	-0.0192	-0.0638	-0.0638	-0.0638	-0.0638	-0.0638	-0.0638	-0.0638	-0.0638	-0.0638	-0.0638
56	36.46	0.07	-0.0173	-0.0135	-0.0587	-0.0587	-0.0587	-0.0587	-0.0587	-0.0587	-0.0587	-0.0587	-0.0587	-0.0587
57	36.70	0.07	-0.0618	-0.0238	-0.0732	-0.0732	-0.0732	-0.0732	-0.0732	-0.0732	-0.0732	-0.0732	-0.0732	-0.0732
58	36.93	0.07	-0.0035	-0.0153	-0.0461	-0.0461	-0.0461	-0.0461	-0.0461	-0.0461	-0.0461	-0.0461	-0.0461	-0.0461
59	37.17	0.08	-0.0071	-0.0027	-0.0066	-0.0066	-0.0066	-0.0066	-0.0066	-0.0066	-0.0066	-0.0066	-0.0066	-0.0066
60	37.40	0.08	-0.1680	-0.0035	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046	-0.0046
61	37.63	0.08	-0.2177	-0.0320	-0.0673	-0.0673	-0.0673	-0.0673	-0.0673	-0.0673	-0.0673	-0.0673	-0.0673	-0.0673
62	37.86	0.07	-0.0024	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012
63	38.10	0.08	-0.0377	-0.0048	-0.0122	-0.0122	-0.0122	-0.0122	-0.0122	-0.0122	-0.0122	-0.0122	-0.0122	-0.0122
64	38.33	0.07	-0.0028	-0.0046	-0.0131	-0.0131	-0.0131	-0.0131	-0.0131	-0.0131	-0.0131	-0.0131	-0.0131	-0.0131
65	38.57	0.07	-0.0022	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020
66	38.77	0.06	-0.0444	-0.0050	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
67	39.00	0.07	-0.0028	-0.0015	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152
68	39.20	0.07	-0.0028	-0.0015	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157
69	39.43	0.07	-0.0028	-0.0015	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157
70	39.63	0.07	-0.0028	-0.0015	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157	-0.0157
71	39.85	0.08	-0.0035	-0.0076	-0.0151	-0.0151	-0.0151	-0.0151	-0.0151	-0.0151	-0.0151	-0.0151	-0.0151	-0.0151
72	40.08	0.07	-0.0028	-0.0076	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152	-0.0152
73	40.23	0.07	-0.0028	-0.0022	-0.0151	-0.0151	-0.0151	-0.0151	-0.0151	-0.0151	-0.0151	-0.0151	-0.0151	-0.0151
74	40.45	0.09	-0.0028	-0.0028	-0.0136	-0.0136	-0.0136	-0.0136	-0.0136	-0.0136	-0.0136	-0.0136	-0.0136	-0.0136
75	40.66	0.08	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
76	40.85	0.08	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
77	41.07	0.08	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
78	41.27	0.08	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
79	41.46	0.08	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
80	41.64	0.08	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
81	41.86	0.08	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
82	42.06	0.08	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
83	42.24	0.08	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
84	42.42	0.08	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
85	42.61	0.08	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
86	42.73	0.07	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
87	42.98	0.05	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
88	43.13	0.05	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
89	43.34	0.10	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
90	43.53	0.05	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
91	43.69	0.10	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
92	43.88	0.10	-0.0028	-0.0028	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142

PAGE 2 OF 3
SHEET 3 OF 4

PART II MISSILE TAILS EFFECTS DATA

TEST PART		MACH	AXIO-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		120	0.00	1.1	0.0	0.00023	L.C	0	-50	0	-50	UNKNOWN
FCINT	ALPHA	ETA	CNF1	CH1	CH2	XCFF1	YCFF1	CNF2	CH2	CH2	XCFF2	YCFF2
93	44.07	0.09	-0.4026	-0.0014	-0.0037	0.1524	0.2576	0.6773	0.0420	0.2092	0.0020	0.3088
94	44.24	0.10	-0.3879	-0.0034	-0.0054	0.1532	0.2468	0.6859	0.0419	0.2135	0.0010	0.3113
95	44.43	0.10	-0.3881	-0.0003	-0.0025	0.1554	0.2394	0.6893	0.0418	0.2126	0.0003	0.3084
96	44.63	0.09	-0.3750	-0.0003	-0.0002	0.1509	0.2323	0.6925	0.0422	0.2141	0.0005	0.3092
97	44.81	0.10	-0.3334	-0.0005	-0.0003	0.1606	0.1906	0.7011	0.0411	0.2184	0.0064	0.3116
98	44.97	0.11	-0.2540	-0.0030	-0.0034	0.1631	0.1493	0.7070	0.0411	0.2104	0.0061	0.3058
99	45.15	0.10	-0.3003	-0.0010	-0.0026	0.1570	0.2396	0.6999	0.0411	0.2126	0.0067	0.3041
100	45.33	0.09	-0.3205	-0.0031	-0.0034	0.1603	0.2301	0.7129	0.0411	0.2151	0.0077	0.3073
101	45.51	0.09	-0.3206	-0.0036	-0.0000	0.1672	0.1395	0.7118	0.0410	0.2161	0.0076	0.3036
102	45.68	0.09	-0.3233	-0.0036	-0.0000	0.1603	0.2041	0.7103	0.0410	0.2167	0.0071	0.3017
103	45.86	0.09	-0.2243	-0.0031	-0.0013	0.1701	0.1452	0.7248	0.0406	0.2211	0.0060	0.3051
104	46.04	0.08	-0.2331	-0.0042	-0.0001	0.1740	0.1132	0.7315	0.0406	0.2204	0.0055	0.3013
105	46.23	0.09	-0.2500	-0.0036	-0.0030	0.1690	0.1274	0.7366	0.0409	0.2232	0.0055	0.3030
106	46.39	0.09	-0.2577	-0.0030	-0.0010	0.1692	0.1228	0.7322	0.0405	0.2214	0.0051	0.3012
107	46.56	0.09	-0.2519	-0.0040	-0.0030	0.1624	0.1226	0.7352	0.0408	0.2227	0.0055	0.3025
108	46.73	0.09	-0.2343	-0.0040	-0.0030	0.1677	0.1377	0.7403	0.0408	0.2204	0.0045	0.3029
109	46.92	0.09	-0.2458	-0.0047	-0.0027	0.1695	0.1126	0.7501	0.0407	0.2275	0.0043	0.3033
110	47.08	0.09	-0.2302	-0.0035	-0.0014	0.1559	0.1016	0.7400	0.0401	0.2272	0.0037	0.3043
111	47.24	0.09	-0.2559	-0.0035	-0.0035	0.1501	0.1716	0.7534	0.0404	0.2292	0.0037	0.3042
112	47.45	0.09	-0.2552	-0.0030	-0.0002	0.1509	0.1811	0.7500	0.0407	0.2266	0.0037	0.2980
113	47.61	0.09	-0.2458	-0.0030	-0.0031	0.1502	0.1720	0.7649	0.0407	0.2311	0.0032	0.3021
114	47.76	0.09	-0.2403	-0.0030	-0.0003	0.1502	0.1698	0.7500	0.0407	0.2266	0.0037	0.2980
115	47.94	0.08	-0.2600	-0.0030	-0.0017	0.1462	0.1989	0.7572	0.0399	0.2263	0.0028	0.2988
116	48.11	0.08	-0.2400	-0.0030	-0.0000	0.1544	0.1802	0.7609	0.0399	0.2304	0.0021	0.3011
117	48.27	0.07	-0.2601	-0.0033	-0.0070	0.1403	0.2155	0.7735	0.0387	0.2315	0.0000	0.2992
118	48.44	0.06	-0.2614	-0.0034	-0.0004	0.1403	0.2234	0.7754	0.0380	0.2313	0.0048	0.2983
119	48.55	0.05	-0.2617	-0.0033	-0.0043	0.1394	0.2281	0.7754	0.0382	0.2325	0.0043	0.2995
120	48.70	0.04	-0.2600	-0.0040	-0.0001	0.1300	0.2354	0.7819	0.0374	0.2331	0.0046	0.2981
121	48.94	0.05	-0.2635	-0.0032	-0.0055	0.1424	0.2020	0.7652	0.0367	0.2347	0.0047	0.2988
122	49.11	0.04	-0.2611	-0.0037	-0.0003	0.1411	0.2403	0.7851	0.0372	0.2359	0.0047	0.3005
123	49.27	0.03	-0.2600	-0.0040	-0.0062	0.1370	0.2557	0.7805	0.0360	0.2348	0.0046	0.2978
124	49.45	0.01	-0.2614	-0.0041	-0.0055	0.1404	0.2551	0.7951	0.0353	0.2380	0.0044	0.2994
125	49.61	0.01	-0.2805	-0.0033	-0.0072	0.1400	0.2645	0.7864	0.0353	0.2387	0.0048	0.3028
126	49.77	0.00	-0.2651	-0.0037	-0.0040	0.1391	0.2475	0.7800	0.0343	0.2301	0.0036	0.2994
127	49.95	0.02	-0.2648	-0.0040	-0.0074	0.1423	0.2069	0.7902	0.0346	0.2408	0.0046	0.3017
129	50.30	0.01	-0.2640	-0.0031	-0.0000	0.1402	0.2443	0.8074	0.0341	0.2455	0.0042	0.3036
130	50.47	0.01	-0.2614	-0.0033	-0.0040	0.1405	0.2445	0.8016	0.0341	0.2398	0.0043	0.2991
131	50.64	0.02	-0.2496	-0.0037	-0.0047	0.1404	0.2394	0.8015	0.0343	0.2411	0.0045	0.3000
132	50.80	0.02	-0.2416	-0.0036	-0.0075	0.1514	0.2307	0.8080	0.0343	0.2442	0.0045	0.3022
133	50.98	0.03	-0.2314	-0.0034	-0.0040	0.1405	0.2302	0.8014	0.0360	0.2411	0.0049	0.3009
134	51.15	0.03	-0.2203	-0.0033	-0.0024	0.1520	0.2334	0.7998	0.0361	0.2413	0.0051	0.3017
135	51.31	0.03	-0.2240	-0.0034	-0.0005	0.1500	0.2340	0.8030	0.0387	0.2378	0.0042	0.2962
136	51.51	0.05	-0.2019	-0.0033	-0.0043	0.1749	0.1997	0.8125	0.0406	0.2426	0.0000	0.2983
137	51.68	0.04	-0.2307	-0.0037	-0.0040	0.1600	0.2108	0.8126	0.0402	0.2412	0.0049	0.2968
138	51.86	0.05	-0.2422	-0.0045	-0.0050	0.1753	0.2072	0.8225	0.0399	0.2421	0.0046	0.2943
139	52.01	0.06	-0.2602	-0.0040	-0.0053	0.1639	0.2202	0.8306	0.0368	0.2492	0.0040	0.2971

PAGE 4 OF 3
 SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACT		AX10-E		PHI	CNCF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		120		0.00		1.7	0.00023		0.0	0	-30	0	-30	UNKNOWN
PLINT	ALPHA	BETA	CNF1	CHI1	LO1	ALPF1	YCPF1	CNF2	CHI2	LO2	XCPF2	YCPF2		
140	52.19	0.07	-0.2026	-0.0426	-0.00699	0.1509	0.2472	0.0518	0.0375	0.2555	0.0441	0.3000		
141	52.35	0.06	-0.2703	-0.0423	-0.00592	0.1518	0.2128	0.0470	0.0362	0.2503	0.0451	0.2555		
142	52.51	0.07	-0.2013	-0.0427	-0.0060	0.1520	0.2366	0.0616	0.0367	0.2558	0.0425	0.2568		
143	52.67	0.07	-0.2042	-0.0410	-0.00674	0.1443	0.2374	0.0554	0.0370	0.2526	0.0432	0.2553		
144	52.85	0.08	-0.2555	-0.0425	-0.00653	0.1418	0.2313	0.0637	0.0358	0.2549	0.0414	0.2552		
145	53.00	0.08	-0.2508	-0.0420	-0.00605	0.1443	0.2240	0.0735	0.0351	0.2503	0.0402	0.2557		
146	53.18	0.10	-0.2313	-0.0331	-0.00474	0.1431	0.2348	0.0739	0.0340	0.2505	0.0389	0.2535		
147	53.32	0.10	-0.2011	-0.0422	-0.00709	0.1400	0.2355	0.0822	0.0343	0.2575	0.0389	0.2516		
148	53.50	0.09	-0.2578	-0.0323	-0.00618	0.1254	0.2399	0.0773	0.0337	0.2574	0.0384	0.2534		
149	53.64	0.10	-0.1989	-0.0420	-0.00608	0.1400	0.1991	0.0725	0.0328	0.2547	0.0376	0.2516		
150	53.81	0.10	-0.1104	-0.0127	-0.00145	0.1045	0.1244	0.0777	0.0329	0.2529	0.0375	0.2881		
151	53.99	0.10	-0.1112	-0.0096	-0.00080	0.0659	0.0773	0.0678	0.0335	0.2468	0.0386	0.2844		
152	54.13	0.11	-0.1479	-0.0142	-0.00322	0.0559	0.2179	0.0662	0.0329	0.2553	0.0371	0.2881		
153	54.32	0.11	-0.1170	-0.0007	-0.00074	0.0730	0.0673	0.0696	0.0330	0.2486	0.0386	0.2859		
154	54.47	0.11	-0.0575	-0.0005	-0.00250	0.0033	-0.4317	0.0496	0.0340	0.2430	0.0400	0.2866		
155	54.61	0.11	-0.1018	-0.0037	-0.00110	0.0300	-0.1081	0.0581	0.0330	0.2488	0.0392	0.2907		
156	54.77	0.10	-0.0365	-0.0000	-0.00498	-0.1023	-1.3508	0.0279	0.0340	0.2368	0.0410	0.2885		
157	54.93	0.10	-0.0706	0.0002	0.00414	-0.0350	-0.5204	0.0190	0.0347	0.2359	0.0424	0.2878		
158	55.10	0.09	-0.0074	0.0023	0.00492	-0.0343	-0.7296	0.0346	0.0344	0.2402	0.0413	0.2877		
159	55.23	0.08	-0.0523	0.0003	0.00517	-0.0091	-0.5001	0.0145	0.0351	0.2318	0.0431	0.2845		
160	55.37	0.08	-0.0561	0.0018	0.00510	-0.0213	-0.5930	0.0345	0.0346	0.2414	0.0417	0.2893		
161	55.55	0.08	-0.1054	0.0033	0.00440	-0.0311	-0.5183	0.0111	0.0300	0.2321	0.0444	0.2862		
162	55.72	0.05	-0.0537	0.0037	0.00598	-0.0391	-0.6385	0.0177	0.0353	0.2368	0.0432	0.2894		
163	55.88	0.07	-0.1057	0.0021	0.00572	-0.0347	-0.5416	0.0177	0.0353	0.2368	0.0432	0.2894		
164	56.05	0.08	-0.1114	0.0037	0.00540	-0.0329	-0.4848	0.0177	0.0353	0.2354	0.0432	0.2879		
165	56.21	0.09	-0.1031	0.0037	0.00615	-0.0355	-0.5959	0.0247	0.0349	0.2347	0.0424	0.2845		
166	56.38	0.08	-0.1202	0.0	0.0515	0.0	-0.4208	0.0581	0.0343	0.2508	0.0399	0.2923		
167	56.53	0.08	-0.1174	0.0005	0.00532	-0.0041	-0.4528	0.0496	0.0346	0.2457	0.0410	0.2905		
168	56.70	0.08	-0.1031	0.0037	0.00615	-0.0355	-0.5959	0.0515	0.0346	0.2435	0.0407	0.2860		
169	56.85	0.06	-0.1027	0.0021	0.00607	-0.0353	-0.6428	0.0479	0.0349	0.2455	0.0412	0.2901		
170	57.02	0.07	-0.1423	0.0	0.0598	0.0	-0.3719	0.0279	0.0353	0.2389	0.0427	0.2888		
171	57.19	0.08	-0.1104	0.0023	0.00611	-0.0196	-0.5155	0.0310	0.0353	0.2432	0.0425	0.2927		
172	57.33	0.07	-0.1102	0.0018	0.00605	-0.0155	-0.5151	0.0353	0.0345	0.2432	0.0413	0.2909		
173	57.47	0.08	-0.1127	0.0005	0.00645	-0.0016	-0.5719	0.0303	0.0345	0.2406	0.0413	0.2877		
174	57.62	0.05	-0.1712	-0.0023	0.00432	0.0135	-0.2525	0.0295	0.0352	0.2401	0.0425	0.2894		
175	57.75	0.07	-0.1532	0.0	0.0491	0.0	-0.3205	0.0412	0.0348	0.2400	0.0414	0.2925		
176	57.92	0.05	-0.1203	0.0028	0.00585	-0.0233	-0.4899	0.0329	0.0344	0.2493	0.0404	0.2923		
177	58.08	0.05	-0.1501	0.0	0.0500	0.0	-0.3201	0.0420	0.0350	0.2402	0.0426	0.2919		
178	58.16	0.05	-0.1605	-0.0032	0.00595	0.0191	-0.2364	0.0496	0.0341	0.2490	0.0401	0.2931		

PAGE 3 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME FXIC-6												
7			120 0.00 1.7		PHI CONF		L		DEL1 DEL2		DEL3 DEL4 TRANSITION	
			C.C		3100F23		C.C		0 -30		0 -30 UNKNOWN	
FLINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.00	0.00	0.0034	0.0035	0.0036	0.0037	0.0038	0.0039	0.0040	0.0041	0.0042	0.0043
2	-5.00	0.00	0.0035	0.0036	0.0037	0.0038	0.0039	0.0040	0.0041	0.0042	0.0043	0.0044
3	-5.00	0.00	0.0036	0.0037	0.0038	0.0039	0.0040	0.0041	0.0042	0.0043	0.0044	0.0045
4	-5.00	0.00	0.0037	0.0038	0.0039	0.0040	0.0041	0.0042	0.0043	0.0044	0.0045	0.0046
5	-5.00	0.00	0.0038	0.0039	0.0040	0.0041	0.0042	0.0043	0.0044	0.0045	0.0046	0.0047
6	-5.00	0.00	0.0039	0.0040	0.0041	0.0042	0.0043	0.0044	0.0045	0.0046	0.0047	0.0048
7	-5.00	0.00	0.0040	0.0041	0.0042	0.0043	0.0044	0.0045	0.0046	0.0047	0.0048	0.0049
8	-5.00	0.00	0.0041	0.0042	0.0043	0.0044	0.0045	0.0046	0.0047	0.0048	0.0049	0.0050
9	-5.00	0.00	0.0042	0.0043	0.0044	0.0045	0.0046	0.0047	0.0048	0.0049	0.0050	0.0051
10	-5.00	0.00	0.0043	0.0044	0.0045	0.0046	0.0047	0.0048	0.0049	0.0050	0.0051	0.0052
11	-5.00	0.00	0.0044	0.0045	0.0046	0.0047	0.0048	0.0049	0.0050	0.0051	0.0052	0.0053
12	-5.00	0.00	0.0045	0.0046	0.0047	0.0048	0.0049	0.0050	0.0051	0.0052	0.0053	0.0054
13	-5.00	0.00	0.0046	0.0047	0.0048	0.0049	0.0050	0.0051	0.0052	0.0053	0.0054	0.0055
14	-5.00	0.00	0.0047	0.0048	0.0049	0.0050	0.0051	0.0052	0.0053	0.0054	0.0055	0.0056
15	-5.00	0.00	0.0048	0.0049	0.0050	0.0051	0.0052	0.0053	0.0054	0.0055	0.0056	0.0057
16	-5.00	0.00	0.0049	0.0050	0.0051	0.0052	0.0053	0.0054	0.0055	0.0056	0.0057	0.0058
17	-5.00	0.00	0.0050	0.0051	0.0052	0.0053	0.0054	0.0055	0.0056	0.0057	0.0058	0.0059
18	-5.00	0.00	0.0051	0.0052	0.0053	0.0054	0.0055	0.0056	0.0057	0.0058	0.0059	0.0060
19	-5.00	0.00	0.0052	0.0053	0.0054	0.0055	0.0056	0.0057	0.0058	0.0059	0.0060	0.0061
20	-5.00	0.00	0.0053	0.0054	0.0055	0.0056	0.0057	0.0058	0.0059	0.0060	0.0061	0.0062
21	-5.00	0.00	0.0054	0.0055	0.0056	0.0057	0.0058	0.0059	0.0060	0.0061	0.0062	0.0063
22	-5.00	0.00	0.0055	0.0056	0.0057	0.0058	0.0059	0.0060	0.0061	0.0062	0.0063	0.0064
23	-5.00	0.00	0.0056	0.0057	0.0058	0.0059	0.0060	0.0061	0.0062	0.0063	0.0064	0.0065
24	-5.00	0.00	0.0057	0.0058	0.0059	0.0060	0.0061	0.0062	0.0063	0.0064	0.0065	0.0066
25	-5.00	0.00	0.0058	0.0059	0.0060	0.0061	0.0062	0.0063	0.0064	0.0065	0.0066	0.0067
26	-5.00	0.00	0.0059	0.0060	0.0061	0.0062	0.0063	0.0064	0.0065	0.0066	0.0067	0.0068
27	-5.00	0.00	0.0060	0.0061	0.0062	0.0063	0.0064	0.0065	0.0066	0.0067	0.0068	0.0069
28	-5.00	0.00	0.0061	0.0062	0.0063	0.0064	0.0065	0.0066	0.0067	0.0068	0.0069	0.0070
29	-5.00	0.00	0.0062	0.0063	0.0064	0.0065	0.0066	0.0067	0.0068	0.0069	0.0070	0.0071
30	-5.00	0.00	0.0063	0.0064	0.0065	0.0066	0.0067	0.0068	0.0069	0.0070	0.0071	0.0072
31	-5.00	0.00	0.0064	0.0065	0.0066	0.0067	0.0068	0.0069	0.0070	0.0071	0.0072	0.0073
32	-5.00	0.00	0.0065	0.0066	0.0067	0.0068	0.0069	0.0070	0.0071	0.0072	0.0073	0.0074
33	-5.00	0.00	0.0066	0.0067	0.0068	0.0069	0.0070	0.0071	0.0072	0.0073	0.0074	0.0075
34	-5.00	0.00	0.0067	0.0068	0.0069	0.0070	0.0071	0.0072	0.0073	0.0074	0.0075	0.0076
35	-5.00	0.00	0.0068	0.0069	0.0070	0.0071	0.0072	0.0073	0.0074	0.0075	0.0076	0.0077
36	-5.00	0.00	0.0069	0.0070	0.0071	0.0072	0.0073	0.0074	0.0075	0.0076	0.0077	0.0078
37	-5.00	0.00	0.0070	0.0071	0.0072	0.0073	0.0074	0.0075	0.0076	0.0077	0.0078	0.0079
38	-5.00	0.00	0.0071	0.0072	0.0073	0.0074	0.0075	0.0076	0.0077	0.0078	0.0079	0.0080
39	-5.00	0.00	0.0072	0.0073	0.0074	0.0075	0.0076	0.0077	0.0078	0.0079	0.0080	0.0081
40	-5.00	0.00	0.0073	0.0074	0.0075	0.0076	0.0077	0.0078	0.0079	0.0080	0.0081	0.0082
41	-5.00	0.00	0.0074	0.0075	0.0076	0.0077	0.0078	0.0079	0.0080	0.0081	0.0082	0.0083
42	-5.00	0.00	0.0075	0.0076	0.0077	0.0078	0.0079	0.0080	0.0081	0.0082	0.0083	0.0084
43	-5.00	0.00	0.0076	0.0077	0.0078	0.0079	0.0080	0.0081	0.0082	0.0083	0.0084	0.0085
44	-5.00	0.00	0.0077	0.0078	0.0079	0.0080	0.0081	0.0082	0.0083	0.0084	0.0085	0.0086
45	-5.00	0.00	0.0078	0.0079	0.0080	0.0081	0.0082	0.0083	0.0084	0.0085	0.0086	0.0087
46	-5.00	0.00	0.0079	0.0080	0.0081	0.0082	0.0083	0.0084	0.0085	0.0086	0.0087	0.0088

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	RAIC=6	PHI	CENF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1		126	0.00	1.7	0.0	0.000000	0	-30	0	-30	UNKNOWN	
FCINT	ALPHA	BETA	CNF3	CH3	CB3	ACPF3	YCPF3	CNF4	CH4	CB4	ALPF4	YCPF4
47	34.33	0.05	0.0574	0.9999	-0.0025	0.9999	-0.0437	0.5027	0.0865	0.2490	0.1720	0.4954
48	34.38	0.06	0.0664	0.9999	-0.0000	0.9999	-0.0007	0.5020	0.0862	0.2490	0.1714	0.4953
49	34.80	0.06	0.0574	0.9999	-0.0025	0.9999	-0.0437	0.5164	0.0855	0.2549	0.1655	0.4938
50	35.00	0.06	0.0575	0.9999	-0.0037	0.9999	-0.0030	0.5307	0.0840	0.2601	0.1560	0.4867
51	35.31	0.07	0.0630	0.9999	-0.0020	0.9999	-0.0319	0.5445	0.0847	0.2623	0.1556	0.4818
52	35.53	0.07	0.0755	0.9999	0.0024	0.9999	0.0320	0.5378	0.0850	0.2644	0.1581	0.4916
53	35.77	0.07	0.0655	0.9999	0.0000	0.9999	0.0111	0.5179	0.0830	0.2578	0.1617	0.4978
54	35.99	0.06	0.0647	0.9999	0.0033	0.9999	0.0049	0.5106	0.0840	0.2573	0.1627	0.4961
55	36.22	0.07	0.0757	0.9999	0.0025	0.9999	0.0331	0.5233	0.0844	0.2617	0.1613	0.5000
56	36.46	0.07	0.0647	0.9999	0.0079	0.9999	0.0934	0.5102	0.0731	0.2527	0.1433	0.4953
57	36.70	0.07	0.0647	0.9999	0.0079	0.9999	0.0934	0.4795	0.0611	0.2419	0.1274	0.5044
58	36.93	0.07	0.0640	0.9999	0.0103	0.9999	0.1217	0.4713	0.0572	0.2376	0.1214	0.5042
59	37.17	0.08	0.0750	0.9999	0.0000	0.9999	0.0765	0.4619	0.0543	0.2304	0.1176	0.4989
60	37.40	0.08	0.0757	0.9999	0.0050	0.9999	0.1250	0.4490	0.0517	0.2293	0.1152	0.5105
61	37.63	0.08	0.0757	0.9999	0.0064	0.9999	0.1106	0.4623	0.0527	0.2291	0.1140	0.4955
62	37.86	0.07	0.0755	0.9999	0.0072	0.9999	0.0953	0.4500	0.0510	0.2297	0.1151	0.5105
63	38.10	0.06	0.0641	0.9999	0.0015	0.9999	0.0241	0.4567	0.0510	0.2250	0.1135	0.5014
64	38.33	0.07	0.0581	0.9999	-0.0025	0.9999	-0.0432	0.4634	0.0510	0.2282	0.1118	0.4924
65	38.57	0.07	0.0520	0.9999	-0.0030	0.9999	-0.0575	0.4667	0.0525	0.2323	0.1125	0.4976
66	38.77	0.08	0.0521	0.9999	-0.0030	0.9999	-0.0574	0.4643	0.0520	0.2300	0.1133	0.4954
67	39.00	0.07	0.0463	0.9999	-0.0082	0.9999	-0.1771	0.4663	0.0519	0.2262	0.1116	0.4871
68	39.20	0.07	0.0533	0.9999	-0.0040	0.9999	-0.0710	0.4643	0.0514	0.2262	0.1118	0.4871
69	39.43	0.07	0.0524	0.9999	-0.0054	0.9999	-0.1031	0.4654	0.0513	0.2253	0.1103	0.4841
70	39.63	0.07	0.0525	0.9999	-0.0054	0.9999	-0.1029	0.4663	0.0514	0.2245	0.1103	0.4815
71	39.85	0.08	0.0524	0.9999	-0.0030	0.9999	-0.0571	0.4662	0.0521	0.2270	0.1118	0.4870
72	40.06	0.07	0.0644	0.9999	0.0027	0.9999	0.0420	0.4704	0.0521	0.2270	0.1094	0.4782
73	40.23	0.07	0.0553	0.9999	0.0000	0.9999	0.0140	0.4796	0.0521	0.2300	0.1086	0.4808
74	40.45	0.09	0.0462	0.9999	-0.0012	0.9999	-0.0251	0.4670	0.0520	0.2225	0.1126	0.4764
75	40.66	0.08	0.0585	0.9999	-0.0002	0.9999	-0.0033	0.4606	0.0532	0.2337	0.1106	0.4862
76	40.85	0.08	0.0643	0.9999	0.0075	0.9999	0.1171	0.4701	0.0542	0.2242	0.1154	0.4875
77	41.07	0.08	0.0703	0.9999	0.0103	0.9999	0.1468	0.4837	0.0549	0.2378	0.1135	0.4917
78	41.27	0.08	0.0643	0.9999	0.0075	0.9999	0.1171	0.4803	0.0549	0.2369	0.1143	0.4974
79	41.40	0.08	0.0733	0.9999	0.0142	0.9999	0.1934	0.4893	0.0546	0.2424	0.1118	0.4953
80	41.64	0.08	0.0582	0.9999	0.0095	0.9999	0.1025	0.4816	0.0543	0.2406	0.1128	0.4997
81	41.86	0.08	0.0643	0.9999	0.0095	0.9999	0.1547	0.4812	0.0560	0.2446	0.1163	0.5083
82	42.00	0.08	0.0541	0.9999	0.0066	0.9999	0.1259	0.4813	0.0557	0.2432	0.1157	0.5054
83	42.24	0.08	0.0671	0.9999	0.0161	0.9999	0.2403	0.4848	0.0563	0.2448	0.1161	0.5092
84	42.42	0.08	0.0700	0.9999	0.0181	0.9999	0.2072	0.4840	0.0563	0.2474	0.1161	0.5106
85	42.61	0.08	0.0520	0.9999	0.0085	0.9999	0.1707	0.4710	0.0557	0.2400	0.1182	0.5099
86	42.70	0.07	0.0640	0.9999	0.0156	0.9999	0.2474	0.4708	0.0560	0.2426	0.1203	0.5153
87	42.96	0.05	0.0511	0.9999	0.0118	0.9999	0.2027	0.4671	0.0576	0.2411	0.1233	0.5162
88	43.15	0.05	0.0577	0.9999	0.0103	0.9999	0.2300	0.4707	0.0562	0.2426	0.1178	0.5088
89	43.34	0.10	0.0639	0.9999	0.0171	0.9999	0.2574	0.4802	0.0572	0.2381	0.1227	0.5108
90	43.53	0.05	0.0630	0.9999	0.0102	0.9999	0.2059	0.4558	0.0575	0.2335	0.1262	0.5123
91	43.85	0.10	0.0607	0.9999	0.0155	0.9999	0.2560	0.4516	0.0574	0.2341	0.1271	0.5184
92	43.80	0.10	0.0576	0.9999	0.0153	0.9999	0.2063	0.4445	0.0581	0.2298	0.1307	0.5170

PAGE 3 OF 3
SHEET 3 OF 4

MAATIA MISSILE TAILS EFFECTS DATA

TEST PART NAME AXIC-E			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 126 C.C. 1.7			C.C.	0.0	0	-30	0	-30	UNKNOWN			
PCINT	ALPHA	BETA	CNF3	CH3	CH3	XCFF3	YCFF3	CNF4	CH4	CH4	XCFF4	YCFF4
93	44.07	0.00	0.0570	0.0000	0.0165	0.0000	0.2064	0.4515	0.0581	0.2342	0.1287	0.5187
94	44.24	0.10	0.0235	0.0000	0.0163	0.0000	0.3040	0.4402	0.0580	0.2242	0.1331	0.5206
95	44.43	0.10	0.0254	0.0000	0.0233	0.0000	0.3366	0.4467	0.0592	0.2310	0.1326	0.5171
96	44.63	0.00	0.0453	0.0000	0.0155	0.0000	0.3433	0.4436	0.0586	0.2307	0.1320	0.5201
97	44.81	0.10	0.0572	0.0000	0.0200	0.0000	0.3491	0.4356	0.0594	0.2261	0.1364	0.5185
98	44.97	0.11	0.0654	0.0000	0.0222	0.0000	0.3199	0.4425	0.0594	0.2303	0.1343	0.5205
99	45.15	0.10	0.0572	0.0000	0.0164	0.0000	0.2867	0.4518	0.0590	0.2331	0.1307	0.5159
100	45.35	0.00	0.0230	0.0000	0.0240	0.0000	0.3813	0.4414	0.0600	0.2207	0.1360	0.5180
101	45.51	0.00	0.0510	0.0000	0.0171	0.0000	0.3348	0.4408	0.0592	0.2307	0.1344	0.5233
102	45.68	0.00	0.0000	0.0000	0.0231	0.0000	0.3444	0.4406	0.0602	0.2321	0.1367	0.5267
103	45.86	0.05	0.0450	0.0000	0.0154	0.0000	0.3433	0.4407	0.0599	0.2308	0.1360	0.5238
104	46.04	0.06	0.0505	0.0000	0.0162	0.0000	0.3500	0.4541	0.0602	0.2355	0.1326	0.5187
105	46.23	0.06	0.0561	0.0000	0.0234	0.0000	0.4133	0.4498	0.0601	0.2336	0.1336	0.5193
106	46.35	0.05	0.0561	0.0000	0.0210	0.0000	0.3707	0.4542	0.0600	0.2304	0.1307	0.5148
107	46.50	0.05	0.0550	0.0000	0.0220	0.0000	0.4101	0.4659	0.0600	0.2406	0.1288	0.5165
108	46.75	0.00	0.0556	0.0000	0.0236	0.0000	0.3964	0.4623	0.0613	0.2418	0.1325	0.5231
109	46.92	0.05	0.0555	0.0000	0.0233	0.0000	0.4130	0.4718	0.0602	0.2458	0.1276	0.5209
110	47.08	0.05	0.0624	0.0000	0.0261	0.0000	0.4109	0.4619	0.0605	0.2515	0.1256	0.5226
111	47.24	0.05	0.0505	0.0000	0.0225	0.0000	0.4532	0.4920	0.0605	0.2567	0.1230	0.5177
112	47.45	0.05	0.0505	0.0000	0.0205	0.0000	0.4054	0.4911	0.0604	0.2508	0.1230	0.5228
113	47.61	0.05	0.0474	0.0000	0.0214	0.0000	0.4521	0.4978	0.0608	0.2623	0.1221	0.5268
114	47.76	0.05	0.0446	0.0000	0.0177	0.0000	0.3901	0.4978	0.0611	0.2648	0.1227	0.5315
115	47.94	0.06	0.0443	0.0000	0.0223	0.0000	0.5033	0.5138	0.0606	0.2717	0.1179	0.5288
116	48.11	0.06	0.0444	0.0000	0.0200	0.0000	0.4500	0.5238	0.0610	0.2762	0.1164	0.5274
117	48.27	0.07	0.0385	0.0000	0.0172	0.0000	0.4461	0.5340	0.0606	0.2819	0.1135	0.5280
118	48.44	0.06	0.0385	0.0000	0.0155	0.0000	0.5088	0.5297	0.0605	0.2814	0.1142	0.5308
119	48.59	0.05	0.0254	0.0000	0.0152	0.0000	0.5180	0.5432	0.0599	0.2846	0.1103	0.5240
120	48.70	0.04	0.0353	0.0000	0.0180	0.0000	0.5104	0.5509	0.0586	0.2860	0.1052	0.5172
121	48.94	0.05	0.0324	0.0000	0.0166	0.0000	0.5119	0.5568	0.0592	0.2893	0.1064	0.5155
122	49.11	0.04	0.0244	0.0000	0.0136	0.0000	0.5219	0.5602	0.0590	0.2907	0.1052	0.5189
123	49.27	0.03	0.0284	0.0000	0.0136	0.0000	0.5219	0.5704	0.0583	0.2914	0.1022	0.5108
124	49.45	0.04	0.0244	0.0000	0.0136	0.0000	0.5219	0.5771	0.0583	0.2944	0.1010	0.5101
125	49.61	0.01	0.0234	0.0000	0.0148	0.0000	0.6290	0.5761	0.0566	0.2903	0.0987	0.5057
126	49.77	0.00	0.0116	0.0000	0.0092	0.0000	0.7917	0.5643	0.0560	0.2935	0.0958	0.5023
127	49.95	0.02	0.0322	0.0000	0.0190	0.0000	0.5896	0.5508	0.0569	0.2952	0.0964	0.4998
129	50.20	0.01	0.0145	0.0000	0.0128	0.0000	0.8007	0.5905	0.0583	0.2951	0.0987	0.5065
130	50.47	0.01	0.0323	0.0000	0.0175	0.0000	0.5522	0.5838	0.0583	0.2974	0.0958	0.5093
131	50.64	0.02	0.0321	0.0000	0.0225	0.0000	0.6997	0.5862	0.0569	0.2958	0.0974	0.5131
132	50.80	0.02	0.0261	0.0000	0.0208	0.0000	0.7970	0.5772	0.0583	0.2981	0.1010	0.5165
133	50.98	0.03	0.0144	0.0000	0.0152	0.0000	1.0604	0.5604	0.0583	0.2920	0.1040	0.5216
134	51.15	0.03	0.0235	0.0000	0.0155	0.0000	0.8362	0.5562	0.0584	0.2923	0.1046	0.5236
135	51.31	0.03	0.0321	0.0000	0.0237	0.0000	0.7387	0.5513	0.0593	0.2944	0.1076	0.5346
136	51.51	0.05	0.0251	0.0000	0.0223	0.0000	0.7649	0.5508	0.0610	0.2907	0.1107	0.5278
137	51.66	0.04	0.0263	0.0000	0.0185	0.0000	0.7033	0.5577	0.0610	0.2962	0.1053	0.5311
138	51.86	0.05	0.0203	0.0000	0.0192	0.0000	0.9476	0.5576	0.0603	0.2961	0.1081	0.5309
139	52.01	0.06	0.0261	0.0000	0.0235	0.0000	0.8930	0.5670	0.0596	0.2990	0.1052	0.5274

PAGE 3 OF 3
 SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH RXIG-6				PHI	CONF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 126 C-00 1.7				U.C. 010UF23	C.C	0	0	-30	0	-30	UNKNOWN		
PCINT	ALPHA	BETA	CNF2	LM3	CB3	XCPE3	YLFF3	CNF4	CF4	CB4	XCPE4	YLFF4	
140	52.19	0.07	0.0222	5.5555	0.0221	5.5555	0.8419	0.5839	0.0596	0.3077	0.1021	0.5285	
141	52.35	0.08	0.0235	5.5555	0.0207	5.5555	0.8384	0.5715	0.0557	0.3023	0.1045	0.5256	
142	52.51	0.07	0.0244	5.5555	0.0210	5.5555	0.7956	0.5762	0.0591	0.3044	0.1026	0.5283	
143	52.67	0.07	0.0253	5.5555	0.0225	5.5555	0.7864	0.5762	0.0584	0.3019	0.1021	0.5236	
144	52.85	0.08	0.0264	5.5555	0.0267	5.5555	0.6560	0.5512	0.0583	0.3170	0.0986	0.5260	
145	53.00	0.08	0.0264	5.5555	0.0235	5.5555	0.7361	0.5644	0.0580	0.3075	0.0992	0.5268	
146	53.18	0.10	0.0418	5.5555	0.0271	5.5555	0.6520	0.6004	0.0575	0.3101	0.0958	0.5185	
147	53.32	0.08	0.0235	5.5555	0.0222	5.5555	0.9426	0.5681	0.0573	0.3084	0.0975	0.5244	
148	53.50	0.09	0.0266	5.5555	0.0212	5.5555	0.7571	0.5926	0.0574	0.3165	0.0965	0.5236	
149	53.64	0.10	0.0367	5.5555	0.0283	5.5555	0.7307	0.5904	0.0575	0.3096	0.0974	0.5244	
150	53.81	0.10	0.0415	5.5555	0.0286	5.5555	0.6820	0.6122	0.0577	0.3181	0.0942	0.5156	
151	53.99	0.10	0.0475	5.5555	0.0326	5.5555	0.6815	0.6157	0.0577	0.3197	0.0937	0.5162	
152	54.13	0.11	0.0358	5.5555	0.0285	5.5555	0.7520	0.6306	0.0571	0.3251	0.0905	0.5153	
153	54.32	0.11	0.0326	5.5555	0.0223	5.5555	0.9425	0.6447	0.0568	0.3325	0.0881	0.5157	
154	54.47	0.11	0.0369	5.5555	0.0284	5.5555	0.7295	0.6518	0.0564	0.3355	0.0866	0.5147	
155	54.61	0.09	0.0369	5.5555	0.0242	5.5555	0.7361	0.6516	0.0568	0.3330	0.0872	0.5110	
156	54.77	0.10	0.0390	5.5555	0.0284	5.5555	0.7277	0.6601	0.0558	0.3346	0.0842	0.5061	
157	54.93	0.10	0.0267	5.5555	0.0262	5.5555	0.9319	0.6510	0.0561	0.3327	0.0861	0.5110	
158	55.10	0.09	0.0360	5.5555	0.0283	5.5555	0.7355	0.6524	0.0555	0.3308	0.0850	0.5065	
159	55.23	0.08	0.0266	5.5555	0.0235	5.5555	0.6921	0.6306	0.0555	0.3272	0.0865	0.5123	
160	55.37	0.08	0.0329	5.5555	0.0280	5.5555	0.6925	0.6524	0.0551	0.3255	0.0844	0.5050	
161	55.55	0.08	0.0177	5.5555	0.0221	5.5555	1.2514	0.6483	0.0550	0.3290	0.0846	0.5075	
162	55.72	0.09	0.0265	5.5555	0.0252	5.5555	0.9355	0.6517	0.0557	0.3332	0.0854	0.5113	
163	55.88	0.07	0.0208	5.5555	0.0211	5.5555	1.0139	0.6693	0.0547	0.3395	0.0817	0.5073	
164	56.05	0.08	0.0235	5.5555	0.0226	5.5555	0.9435	0.6698	0.0550	0.3392	0.0826	0.5056	
165	56.21	0.09	0.0270	5.5555	0.0240	5.5555	0.8693	0.6553	0.0550	0.3346	0.0835	0.5106	
166	56.38	0.08	0.0288	5.5555	0.0264	5.5555	0.9556	0.6519	0.0550	0.3331	0.0844	0.5110	
167	56.53	0.08	0.0265	5.5555	0.0252	5.5555	0.9355	0.6623	0.0550	0.3377	0.0830	0.5099	
168	56.70	0.08	0.0270	5.5555	0.0228	5.5555	0.8425	0.6590	0.0543	0.3362	0.0824	0.5101	
169	56.85	0.08	0.0235	5.5555	0.0226	5.5555	0.9435	0.6484	0.0550	0.3315	0.0848	0.5113	
170	57.02	0.07	0.0208	5.5555	0.0211	5.5555	1.0135	0.6553	0.0550	0.3346	0.0835	0.5106	
171	57.19	0.08	0.0301	5.5555	0.0231	5.5555	0.7660	0.6554	0.0547	0.3360	0.0835	0.5126	
172	57.33	0.07	0.0265	5.5555	0.0235	5.5555	0.8885	0.6543	0.0542	0.3353	0.0825	0.5125	
173	57.47	0.08	0.0146	5.5555	0.0206	5.5555	1.4106	0.6752	0.0536	0.3419	0.0763	0.5063	
174	57.62	0.05	0.0235	5.5555	0.0213	5.5555	0.8911	0.6402	0.0546	0.3275	0.0853	0.5121	
175	57.79	0.07	0.0207	5.5555	0.0210	5.5555	1.0139	0.6666	0.0548	0.3355	0.0822	0.5053	
176	57.92	0.05	0.0265	5.5555	0.0214	5.5555	0.7957	0.6519	0.0547	0.3339	0.0840	0.5128	
177	58.06	0.05	0.0207	5.5555	0.0204	5.5555	1.0093	0.6517	0.0546	0.3335	0.0829	0.5124	
178	58.16	0.05	0.0330	5.5555	0.0243	5.5555	0.7368	0.6517	0.0540	0.3327	0.0829	0.5105	

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH NO=6 7 127 0.50 1.7											
			PHI CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION
			0.0 B16GF23		C.C		0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CL	CLM	CY	CLL	CLL	CA	CAB	CAF	XCP
1	-5.38	0.00	-0.5185	2.5571	0.0070	-0.0454	-0.0117	0.7564	0.3588	0.4376	-2.7841
2	-5.37	0.00	-0.5420	2.5565	-0.0174	-0.0144	-0.0117	0.7561	0.3586	0.4373	-2.8437
3	-5.37	0.01	-0.5776	2.5405	-0.0086	-0.0476	-0.0115	0.6011	0.3596	0.4415	-2.8949
4	-5.37	0.00	-0.5897	2.5474	-0.0255	0.0075	-0.0116	0.6065	0.3565	0.4470	-2.8633
5	-5.86	0.01	-0.7013	2.5372	-0.0074	-0.0385	-0.0109	0.7568	0.3513	0.4455	-3.3327
6	-2.03	0.01	-0.6254	2.5661	0.0577	-0.0566	-0.0102	0.7666	0.3275	0.4341	-4.1086
7	-0.17	0.02	-0.5757	2.6253	0.0007	-0.1395	-0.0158	0.7410	0.2630	0.4579	-4.5771
8	1.67	0.01	-0.5555	3.3762	-0.0040	-0.0043	-0.0103	0.7213	0.2436	0.4776	-6.0337
9	3.60	0.01	-0.4242	3.5454	-0.0054	-0.0057	-0.0147	0.6909	0.2313	0.4595	-7.8861
10	5.37	0.01	-0.3370	3.4474	-0.0171	0.0081	-0.0076	0.6793	0.2273	0.4519	-10.2305
11	7.24	0.01	-0.1845	3.4071	-0.0255	0.0203	-0.0071	0.6502	0.2145	0.4357	-20.7139
12	9.04	0.01	-0.0141	3.2465	-0.0555	0.0360	-0.0193	0.6131	0.2067	0.4014	-201.6670
13	10.90	0.00	0.1558	3.0681	-0.1333	0.0553	-0.0124	0.5740	0.2075	0.3665	15.3704
14	12.74	0.01	0.4331	2.7623	-0.0420	0.0430	-0.0116	0.5188	0.2054	0.3134	6.4242
15	14.61	0.02	0.6601	2.5858	-0.0346	-0.0252	-0.0342	0.4826	0.2067	0.2740	3.7749
16	16.53	0.01	0.9151	2.2775	-0.0624	0.1667	0.0020	0.4301	0.2035	0.2466	2.4893
17	18.44	0.03	1.2576	2.0163	-0.2042	0.5805	0.0020	0.3808	0.2144	0.1864	1.6033
18	20.32	-0.01	1.5241	1.7057	-0.3027	0.7673	0.0023	0.3340	0.2243	0.1105	1.1547
19	22.21	-0.02	1.8150	1.5177	-0.3360	1.4626	0.0073	0.2375	0.2325	0.0550	0.6362
20	24.11	-0.03	2.1320	1.3718	-0.0342	1.0038	0.0079	0.2206	0.2308	-0.0092	0.6434
21	25.95	-0.02	2.4750	1.4383	-0.3626	1.4747	-0.0027	0.1636	0.2346	-0.0710	0.5811
22	27.82	0.04	3.0257	1.4835	0.3347	-0.4333	0.0097	0.0984	0.2305	-0.1342	0.4898
23	28.20	0.02	2.6777	1.5511	0.0819	-0.1172	0.0296	0.1098	0.2304	-0.1207	0.5525
24	28.21	0.03	2.5050	1.4618	0.2396	-0.2030	0.0092	0.0833	0.2306	-0.1475	0.5006
25	28.49	0.04	3.0414	1.4551	0.3854	-0.0069	0.0531	0.0978	0.2299	-0.1322	0.4929
26	28.76	0.05	3.0764	1.4564	0.4234	-0.3273	0.0037	0.0801	0.2315	-0.1514	0.4741
27	29.10	0.04	3.1548	1.3584	0.3670	-0.3749	0.0029	0.0856	0.2324	-0.1468	0.4306
28	29.40	0.04	3.2101	1.4264	0.3238	-0.1743	0.0071	0.0758	0.2307	-0.1549	0.4443
29	29.69	0.04	3.3082	1.2734	0.2855	-0.0511	0.0432	0.0644	0.2340	-0.1656	0.3849
30	29.57	0.04	3.4405	1.2171	0.3075	0.0457	0.0433	0.0419	0.2341	-0.1522	0.3537
31	30.26	0.07	3.5532	1.2052	0.5773	-0.2427	0.0328	0.0430	0.2423	-0.1553	0.3354
32	30.53	0.06	3.7675	1.1474	0.4358	0.2522	0.0625	0.0228	0.2423	-0.2195	0.3046
33	30.60	0.05	3.7074	1.2116	0.4123	0.2441	0.0563	0.0235	0.2400	-0.2225	0.3216
34	31.08	0.05	3.6983	1.2414	0.3792	0.3557	0.0530	0.0077	0.2406	-0.2391	0.3185
35	31.55	0.05	3.6916	1.3010	0.3553	0.5231	0.0690	0.0228	0.2513	-0.2285	0.3301
36	31.64	0.07	4.1031	1.3355	0.6278	0.2244	0.0702	-0.0003	0.2514	-0.2577	0.3266
37	31.89	0.05	4.0568	1.5635	0.3543	0.1470	0.0776	-0.0044	0.2461	-0.2505	0.3815
38	32.17	0.05	4.2145	1.4275	0.3665	0.6755	0.0032	-0.0011	0.2514	-0.2525	0.3389
39	32.43	0.05	4.2855	1.5437	0.4294	0.4296	0.0645	-0.0096	0.2481	-0.2577	0.3602
40	32.69	0.07	4.4600	1.5717	0.4455	0.0792	0.0790	-0.0219	0.2543	-0.2762	0.3524
41	32.57	0.06	4.5567	1.3261	0.6903	-0.7114	0.0355	-0.0462	0.2461	-0.2544	0.3973
42	33.22	0.05	4.7040	1.7721	0.5203	-0.6203	0.1061	-0.0280	0.2477	-0.2757	0.3747
43	33.47	0.07	4.7157	2.0465	0.6047	-1.0191	0.0639	-0.0373	0.2431	-0.2804	0.4340
44	33.74	0.06	4.5271	2.0026	0.7375	-0.8220	0.0376	-0.0717	0.2369	-0.3087	0.4471
45	33.97	0.06	4.6024	2.1160	0.7044	-0.7123	0.0343	-0.0669	0.2376	-0.3048	0.4316
46	34.21	0.06	4.9660	2.3776	0.7014	-0.7654	0.0350	-0.0781	0.2336	-0.3118	0.4768

PAGE 1 OF 3
 SHEET 2 OF 4

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART MACH RTIO-6				PHI CONF		DEL1 DEL2		DEL3 DEL4		TRANSITION	
7 127 G.50 1.7				U.C BAND23 G.C		0 -30		0 -30		UNKNOWN	
FLINT	ALPHA	BETA	CL	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	34.47	0.04	5.0571	2.6675	0.4248	-0.3698	0.0721	-0.0760	0.2336	-0.3097	0.5275
48	34.72	0.04	5.1311	2.7623	0.4328	-0.4070	0.0727	-0.0859	0.2490	-0.3150	0.5422
49	34.95	0.02	5.1532	2.8056	0.3662	-0.4384	0.0666	-0.0856	0.2315	-0.3172	0.5410
50	35.20	0.03	5.2643	2.9730	0.3725	-0.5220	0.0608	-0.1004	0.2449	-0.3253	0.5627
51	35.45	-0.00	5.3412	3.0403	0.1080	-0.4880	0.0545	-0.1117	0.2261	-0.3378	0.5652
52	35.67	0.01	5.4203	3.1301	0.2080	-0.4904	0.0557	-0.1120	0.2232	-0.3360	0.5772
53	35.91	0.00	5.4628	3.1757	0.1895	-0.5725	0.0487	-0.1155	0.2232	-0.3427	0.5821
54	36.15	-0.01	5.5023	3.2432	0.0355	-0.6240	0.0185	-0.1288	0.2235	-0.3523	0.5920
55	36.38	-0.02	5.5254	3.3056	-0.1572	-0.1454	0.0038	-0.1282	0.2232	-0.3516	0.5872
56	36.61	-0.02	5.5508	3.3773	-0.0290	0.0200	-0.0006	-0.1347	0.2240	-0.3587	0.5926
57	36.85	-0.01	5.7000	3.4565	-0.0665	0.0039	-0.0319	-0.1409	0.2207	-0.3616	0.6040
58	37.09	-0.01	5.6631	3.4655	-0.0832	0.0032	-0.0023	-0.1540	0.2190	-0.3738	0.5925
59	37.31	0.00	5.5505	3.5007	0.0724	0.1365	0.0176	-0.1522	0.2194	-0.3716	0.5950
60	37.55	-0.00	5.5329	3.5401	0.0015	0.3042	0.0100	-0.1475	0.2200	-0.3601	0.5967
61	37.78	-0.01	5.6055	3.6037	-0.0574	0.2593	0.0068	-0.1649	0.2215	-0.3664	0.5950
62	38.02	0.01	6.1030	3.6128	0.1247	0.1111	0.0314	-0.1612	0.2200	-0.4016	0.5843
63	38.26	0.02	6.2454	3.7200	0.1021	0.4252	0.0304	-0.1714	0.2248	-0.3562	0.5956
64	38.48	0.00	6.2500	3.6630	0.0301	0.5040	0.0305	-0.1673	0.2252	-0.3527	0.5763
65	38.71	-0.01	6.3455	3.7230	-0.0503	0.7051	0.0303	-0.1730	0.2285	-0.4021	0.5867
66	38.92	0.03	6.4363	3.8223	0.3361	0.5333	0.0305	-0.2017	0.2265	-0.4280	0.5940
67	39.15	0.01	6.5053	3.8614	0.1346	0.8398	0.0258	-0.1897	0.2302	-0.4155	0.5828
68	39.38	-0.01	6.5601	3.8500	-0.1040	1.1323	0.0039	-0.2001	0.2240	-0.4241	0.5862
69	39.59	0.01	6.6352	3.8556	-0.0060	1.2035	0.0224	-0.1952	0.2215	-0.4371	0.5903
70	39.81	0.01	6.6770	3.8775	0.0014	1.1619	-0.0023	-0.2074	0.2217	-0.4351	0.5808
71	40.03	-0.02	6.7673	3.9157	-0.2728	1.4082	-0.0089	-0.2028	0.2281	-0.4309	0.5775
72	40.25	-0.01	6.8557	3.8354	-0.2054	1.5061	0.0035	-0.2130	0.2293	-0.4431	0.5611
73	40.43	-0.00	6.9125	3.8871	-0.1685	1.5731	0.0032	-0.2173	0.2274	-0.4447	0.5705
74	40.64	0.00	6.9512	3.8554	-0.1000	1.4132	0.0040	-0.2150	0.2303	-0.4453	0.5600
75	40.86	-0.02	7.0012	3.9015	-0.3711	1.6138	-0.0022	-0.2295	0.2254	-0.4593	0.5573
76	41.00	0.00	7.0012	3.9501	-0.1405	1.3009	0.0032	-0.2470	0.2257	-0.4727	0.5655
77	41.28	0.01	7.1235	3.9475	-0.0625	1.5222	0.0044	-0.2373	0.2361	-0.4734	0.5542
78	41.47	-0.00	7.1596	3.9305	-0.2150	1.4529	-0.0014	-0.2259	0.2327	-0.4586	0.5502
79	41.67	-0.00	7.2572	4.0073	-0.1555	1.0219	0.0008	-0.2474	0.2252	-0.4726	0.5522
80	41.88	-0.01	7.3320	4.0154	-0.2600	1.6520	-0.0004	-0.2352	0.2202	-0.4634	0.5476
81	42.08	0.01	7.4136	4.0338	-0.0822	1.1304	-0.0050	-0.2021	0.2223	-0.4605	0.5441
82	42.28	-0.00	7.4500	3.9503	-0.2324	1.0531	-0.0007	-0.2497	0.2249	-0.4746	0.5354
83	42.46	0.00	7.4543	4.1316	-0.0643	0.8387	0.0074	-0.2708	0.2180	-0.4895	0.5343
84	42.64	-0.02	7.5530	4.2134	-0.3015	0.9521	0.0033	-0.2716	0.2182	-0.4809	0.5570
85	42.82	-0.01	7.5543	4.0703	-0.3321	1.3481	0.0018	-0.2650	0.2215	-0.4874	0.5387
86	43.01	-0.00	7.6020	4.1143	-0.0453	0.7707	0.0105	-0.2601	0.2215	-0.4877	0.5355
87	43.19	-0.00	7.7423	4.2260	-0.0160	0.5446	0.0116	-0.2838	0.2152	-0.4591	0.5455
88	43.30	0.01	7.7350	4.0437	0.1038	0.2235	0.0123	-0.2692	0.2113	-0.5008	0.5225
89	43.57	0.01	7.9451	3.9532	-0.0591	1.7139	-0.0051	-0.2730	0.2294	-0.5031	0.5013
90	43.76	0.00	8.0571	3.5507	-0.0443	1.0095	0.0100	-0.2090	0.2245	-0.5143	0.4963
91	43.92	-0.01	8.0401	4.1301	-0.1628	0.9010	0.0116	-0.3003	0.2161	-0.5164	0.5157
92	44.12	-0.01	8.1200	4.1352	0.0203	0.1869	0.0273	-0.3108	0.2159	-0.5367	0.5053

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER/NSD/C

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 3 OF 4

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART HALF RXIC-6			PHI CCRF		L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 127 G-90 1.7			C.C. Blat23		0.0	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CN	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP
93	44.31	0.01	8.2157	4.0054	0.1533	0.6475	0.0125	-0.3133	0.2230	-0.5339	0.4875
94	44.44	0.00	8.2058	4.0150	0.1708	-0.0815	0.0347	-0.3162	0.2102	-0.5344	0.4851
95	44.69	0.00	8.2765	3.5772	0.0775	0.8015	0.0124	-0.2900	0.2232	-0.5220	0.4805
96	44.87	0.01	8.3341	4.0537	0.3078	-0.3350	0.0295	-0.3101	0.2205	-0.5384	0.4912
97	45.06	-0.00	8.4173	4.1072	0.0471	0.4503	0.0209	-0.3270	0.2170	-0.5448	0.4879
98	45.22	-0.02	8.3344	4.0175	-0.0546	0.0643	0.0137	-0.3000	0.2164	-0.5250	0.4820
99	45.42	0.00	8.3053	4.1315	0.0753	0.5475	0.0206	-0.3218	0.2196	-0.5416	0.4856
100	45.62	-0.02	8.5715	4.1040	-0.0200	-0.0005	0.0294	-0.3104	0.2202	-0.5300	0.4788
101	45.75	0.01	8.6510	4.0026	0.1095	0.5544	0.0364	-0.3307	0.2240	-0.5547	0.4831
102	45.94	-0.01	8.6031	4.0344	0.1033	0.0802	0.0295	-0.3213	0.2196	-0.5411	0.4690
103	46.14	-0.02	8.7309	4.1085	-0.0755	0.4352	0.0100	-0.3374	0.2223	-0.5457	0.4708
104	46.33	-0.01	8.8225	4.0200	-0.0541	1.1542	-0.0124	-0.3330	0.2250	-0.5586	0.4557
105	46.50	-0.01	8.8245	4.1188	0.0664	0.5016	0.0091	-0.3315	0.2302	-0.5617	0.4667
106	46.67	0.01	8.9000	4.0520	0.1830	0.0000	0.0018	-0.3344	0.2235	-0.5579	0.4506
107	46.85	-0.01	8.9874	4.1047	0.1384	0.3313	0.0295	-0.3022	0.2134	-0.5761	0.4567
108	47.04	-0.03	9.0600	4.1221	-0.0333	0.6277	0.0105	-0.3301	0.2144	-0.5695	0.4545
109	47.20	-0.02	9.1103	4.1365	0.1830	0.5050	0.0104	-0.3352	0.2215	-0.5771	0.4540
110	47.36	-0.03	9.1565	4.0557	0.0377	0.2527	0.0312	-0.3374	0.2189	-0.5763	0.4409
111	47.55	-0.03	9.2572	4.0088	0.0404	0.5624	0.0239	-0.3338	0.2200	-0.5944	0.4358
112	47.74	-0.02	9.4282	4.1570	0.2074	0.8917	0.0103	-0.3709	0.2302	-0.6011	0.4410
113	47.91	-0.01	9.4010	4.0541	0.1010	1.3515	0.0018	-0.3413	0.2423	-0.5830	0.4285
114	48.07	-0.03	9.4440	4.0855	0.0081	1.1383	0.0157	-0.3700	0.2310	-0.6010	0.4326
115	48.25	-0.01	9.5128	4.0790	0.2047	1.3920	0.0010	-0.3439	0.2436	-0.5875	0.4288
116	48.42	0.02	9.6221	4.0220	0.4823	1.7330	-0.0100	-0.3405	0.2480	-0.5751	0.4181
117	48.60	-0.00	9.7554	3.9855	0.2431	1.6103	0.0017	-0.3514	0.2455	-0.6009	0.4085
118	48.78	-0.00	9.7842	3.9470	0.1757	2.0055	0.0003	-0.3500	0.2709	-0.6005	0.4042
119	48.92	-0.01	9.8258	3.8855	0.1304	1.8200	-0.0115	-0.3175	0.2695	-0.5870	0.3924
120	49.10	0.01	9.8011	3.8523	0.2301	2.0137	-0.0123	-0.3101	0.2729	-0.5910	0.3939
121	49.28	0.00	10.0111	3.5728	0.2285	1.6698	0.0014	-0.3031	0.3124	-0.6154	0.3569
122	49.44	0.01	10.0300	3.2535	0.3453	2.0145	-0.0050	-0.2573	0.3100	-0.5755	0.3235
123	49.64	0.02	10.3004	2.9722	0.4316	1.6100	-0.0044	-0.2768	0.3651	-0.6419	0.2869
124	49.83	0.04	10.5318	2.0337	0.4452	2.0430	-0.0130	-0.2040	0.3547	-0.5593	0.1909
125	50.03	0.01	11.0543	0.9047	0.1383	3.3063	-0.0280	-0.1833	0.3802	-0.5035	0.0815
126	50.20	0.00	11.2640	0.7550	0.2100	3.0002	-0.0205	-0.1793	0.3040	-0.5033	0.0674
127	50.37	0.01	11.1554	1.2885	0.3593	2.5015	-0.0250	-0.2347	0.3640	-0.5587	0.1153
128	50.55	0.02	11.3010	1.0505	0.5874	2.1890	-0.0038	-0.2275	0.3005	-0.5944	0.1233
129	50.71	0.03	11.3043	1.2885	0.6073	2.3051	-0.0109	-0.2539	0.3685	-0.6004	0.1121
130	50.88	0.02	11.0310	1.0100	0.6330	2.0021	0.0095	-0.2218	0.3000	-0.5904	0.1166
131	51.05	0.06	11.4183	1.1934	0.8738	1.6080	0.0166	-0.2414	0.3082	-0.6256	0.1045
132	51.21	0.05	11.0670	1.1425	0.5120	1.5529	0.0245	-0.2126	0.3040	-0.5566	0.0996
133	51.40	0.05	11.0047	0.5482	0.5425	1.6287	0.0305	-0.1717	0.4167	-0.5884	0.0470
134	51.50	0.05	11.7922	0.1553	0.6014	1.8011	0.0110	-0.1497	0.4222	-0.5719	0.0169
135	51.75	0.05	12.1584	-0.2115	0.8510	1.9866	0.0115	-0.1643	0.4258	-0.5541	-0.0174
136	51.94	0.04	12.4005	-0.5432	0.6378	2.0528	0.0100	-0.1005	0.4405	-0.6050	-0.0475
137	52.10	0.03	12.4050	-0.5432	0.4813	2.2630	0.0185	-0.1505	0.4452	-0.6357	-0.0435
138	52.20	0.05	12.2010	-0.3023	0.7002	1.5670	0.0251	-0.1058	0.4410	-0.6276	-0.0311

PAGE 1 OF 3
SHEET 4 OF 6

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 127 0.50 1.7			0.0	0.100F23	G.C	U	-30	U	-30	UNKNOWN	
FLINT	ALPHA	BETA	CN	CLM	CLN	CLL	CA	CAG	CAF	XCP	
139	52.43	0.05	12.4412	-0.3574	0.6728	2.1343	0.0182	-0.1898	0.4356	-0.6254	-0.0319
140	52.60	0.04	12.4615	-0.6258	0.7110	1.9266	0.0258	-0.1751	0.4411	-0.6202	-0.0505
141	52.78	0.04	12.4818	-0.6746	0.8472	2.1510	0.0180	-0.2055	0.4380	-0.6435	-0.0535
142	52.95	0.04	12.4935	-0.4240	0.5521	2.2747	0.0185	-0.2170	0.4380	-0.6550	-0.0535
143	53.10	0.08	12.5147	-0.2305	1.0517	2.0657	0.0316	-0.1643	0.4426	-0.6265	-0.0183
144	53.25	0.07	12.7455	-0.4400	0.9335	2.2205	0.0255	-0.2049	0.4455	-0.6484	-0.0345
145	53.44	0.08	12.8885	-0.2538	0.5746	2.2937	0.0249	-0.1988	0.4339	-0.6377	-0.0200
146	53.62	0.07	12.7873	-0.2555	0.6805	2.0216	0.0331	-0.2042	0.4423	-0.6465	-0.0231
147	53.72	0.05	12.8553	-0.2220	0.7057	2.1893	0.0200	-0.2124	0.4444	-0.6568	-0.0175
148	53.93	0.05	12.8457	-0.4306	0.6832	1.9363	0.0339	-0.2000	0.4550	-0.6550	-0.0335
149	54.08	0.06	12.8354	-0.5554	0.8520	2.0243	0.0330	-0.2144	0.4622	-0.6767	-0.0467
150	54.24	0.07	12.8456	-0.4453	0.6744	1.9480	0.0330	-0.1809	0.4684	-0.6553	-0.0347
151	54.40	0.04	12.8286	-0.3755	0.7068	1.6055	0.0353	-0.1820	0.4751	-0.6571	-0.0298
152	54.56	0.05	12.9391	-0.5457	0.8808	1.4506	0.0425	-0.1749	0.4853	-0.6641	-0.0422
153	54.72	0.05	13.0154	-0.6027	0.8882	1.2840	0.0432	-0.1722	0.4914	-0.6635	-0.0463
154	54.86	0.05	12.9848	-0.3728	0.8206	1.1671	0.0503	-0.1837	0.4909	-0.6826	-0.0287
155	55.03	0.05	13.1017	-0.5405	0.6787	1.3432	0.0437	-0.1971	0.4976	-0.6547	-0.0413
156	55.19	0.05	13.2827	-0.5655	0.6779	1.5014	0.0494	-0.2102	0.5144	-0.7246	-0.0727
157	55.33	0.04	13.0940	-0.4355	0.7385	1.4069	0.0499	-0.2070	0.5126	-0.7196	-0.0336
158	55.51	0.04	13.1435	-0.5815	0.7512	1.1132	0.0512	-0.1914	0.5105	-0.7025	-0.0426
159	55.65	0.02	13.1533	-0.4184	0.4575	1.2707	0.0511	-0.2055	0.5172	-0.7227	-0.0319
160	55.81	0.04	13.0420	-0.1521	0.7035	1.2506	0.0443	-0.1752	0.5222	-0.6574	-0.0116
161	55.96	0.04	13.0534	-0.1528	0.6658	1.4630	0.0435	-0.1655	0.5246	-0.7101	-0.0117
162	56.12	0.04	13.1258	-0.2050	0.7310	1.3367	0.0441	-0.1879	0.5288	-0.7147	-0.0206
163	56.29	0.04	13.1955	-0.2318	0.7405	1.2267	0.0384	-0.1903	0.5301	-0.7204	-0.0175
164	56.42	0.05	13.1244	-0.2532	0.7637	1.4240	0.0501	-0.1961	0.5297	-0.7258	-0.0193
165	56.56	0.01	13.1750	-0.1664	0.3565	1.1844	0.0393	-0.1870	0.5351	-0.7221	-0.0126
166	56.74	0.05	13.1956	-0.1666	0.7212	1.4140	0.0370	-0.1705	0.5372	-0.7157	-0.0126
167	56.88	0.01	13.1907	-0.2184	0.4532	1.4536	0.0375	-0.2062	0.5435	-0.7497	-0.0168
168	57.04	-0.02	13.2425	-0.2722	0.6655	1.5789	0.0449	-0.2071	0.5432	-0.7403	-0.0266
169	57.21	0.02	13.3225	-0.3371	0.4635	1.7329	0.0438	-0.2007	0.5455	-0.7462	-0.0253
170	57.36	0.02	13.3219	-0.3820	0.5540	1.6017	0.0370	-0.2035	0.5513	-0.7548	-0.0287
171	57.46	0.02	13.1619	-0.1755	0.5107	1.4435	0.0315	-0.1986	0.5534	-0.7520	-0.0133
172	57.63	-0.00	13.2385	-0.0627	0.6214	1.4703	0.0260	-0.1665	0.5631	-0.7256	0.0002
173	57.78	0.03	13.2583	-0.1701	0.5378	1.3080	0.0260	-0.2085	0.5488	-0.7573	-0.0128
174	57.94	-0.00	13.5262	-0.3360	0.2256	1.1147	0.0201	-0.2517	0.5491	-0.7948	-0.0250
175	58.08	-0.05	13.3512	-0.3331	-0.0380	-0.1232	0.0394	-0.2780	0.5313	-0.8093	-0.0249
176	58.23	-0.10	13.2850	-0.4540	-0.0514	-0.4522	0.0324	-0.2622	0.5390	-0.8018	0.0345
177	58.37	-0.13	13.4166	-0.0767	-0.6715	-0.9642	0.0203	-0.2152	0.5554	-0.7746	-0.0059
178	58.44	-0.10	13.5307	-1.0351	-0.3782	-1.0839	0.0207	-0.2482	0.5445	-0.7527	-0.0268

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: RX10-6			PHI CORR		L		CEC1 DEL2		CEC3 DEL4		TRANSITION	
7 127 C.5C 1.7			0.0 B10F23 G.C		J -3J		J -3J		UNKNOWN			
PLINT	ALPHA	BETA	CNF1	CH1	LB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.38	0.00	-0.0000	-0.0015	0.0246	0.0254	-0.4079	-0.6946	-0.0330	-0.4200	0.0475	0.6047
2	-5.37	0.00	-0.0057	-0.0015	0.0221	0.0244	-0.3546	-0.6916	-0.0330	-0.4210	0.0477	0.6087
3	-5.37	0.01	-0.0055	-0.0015	0.0232	0.0243	-0.3514	-0.6946	-0.0327	-0.4200	0.0471	0.6047
4	-5.37	0.00	-0.0062	-0.0024	0.0213	0.0354	-0.3162	-0.6907	-0.0327	-0.4152	0.0474	0.6066
5	-3.68	0.01	-0.0049	-0.0004	0.0215	0.0077	-0.4313	-0.6567	-0.0321	-0.4026	0.0489	0.6131
6	-2.03	0.01	-0.0043	0.0059	0.0277	-0.1218	-0.5729	-0.6039	-0.0289	-0.3972	0.0457	0.6266
7	-0.17	0.02	-0.0045	0.0055	0.0265	-0.1252	-0.5911	-0.7085	-0.0289	-0.4069	0.0408	0.5746
8	1.67	0.01	-0.00479	0.0055	0.0244	-0.1149	-0.5101	-0.6152	-0.0289	-0.4318	0.0355	0.5296
9	3.60	0.01	-0.00404	0.0047	0.0285	-0.1109	-0.7041	-0.7658	-0.0341	-0.4051	0.0433	0.5155
10	5.37	0.01	-0.0040	0.0008	0.0333	-0.0189	-0.8251	-0.7714	-0.0435	-0.3641	0.0560	0.4941
11	7.24	0.01	-0.00567	-0.0015	0.0363	0.0340	-0.8395	-0.7479	-0.0540	-0.3774	0.0722	0.5046
12	9.04	0.01	-0.0050	0.0035	0.0286	0.0063	-0.8442	-0.6637	-0.0495	-0.3206	0.0746	0.4622
13	10.90	0.00	-0.00358	-0.0012	0.0401	0.0291	-1.2062	-0.5867	-0.0489	-0.2920	0.0834	0.4576
14	12.74	0.01	-0.0040	-0.0032	0.0353	0.0062	-0.7352	-0.4036	-0.0496	-0.2628	0.1030	0.5435
15	14.61	0.02	-0.0034	-0.0083	0.0285	0.1309	-0.4493	-0.4037	-0.0486	-0.2356	0.1205	0.5837
16	16.53	0.01	-0.0041	-0.0074	0.0400	0.1513	-0.8153	-0.2758	-0.0457	-0.1850	0.1656	0.6707
17	18.44	0.00	-0.00771	-0.0189	0.0373	0.2453	-0.4344	-0.1745	-0.0335	-0.1317	0.1918	0.7546
18	20.32	-0.01	-0.00575	-0.0252	0.0347	0.2562	-0.3561	-0.0763	-0.0189	-0.0971	0.2408	1.2359
19	22.21	-0.02	-0.0068	-0.0373	0.0054	0.2238	-0.0324	-0.0174	-0.0012	-0.0664	0.0667	3.8222
20	24.11	-0.03	-0.0063	-0.0362	-0.0076	0.2033	0.0439	0.0003	0.0169	-0.0206	0.2791	-0.3413
21	25.94	-0.02	-0.0174	-0.0236	-0.0060	0.1492	0.1554	0.1475	0.0405	0.0044	0.2773	0.0301
22	27.82	0.04	0.0098	0.0244	0.1162	0.1164	0.6450	0.2912	0.0642	0.0712	0.2159	0.2396
23	29.63	0.02	0.1304	0.0157	0.1100	0.1206	0.8432	0.2715	0.0621	0.0621	0.2289	0.2285
24	29.61	0.03	0.1552	0.0221	0.1374	0.1132	0.7034	0.2914	0.0636	0.0707	0.2182	0.2427
25	28.65	0.04	0.2350	0.0288	0.1557	0.1227	0.6626	0.3056	0.0680	0.0812	0.2226	0.2659
26	28.76	0.05	0.2306	0.0292	0.1574	0.1167	0.6280	0.3196	0.0692	0.0670	0.2164	0.2722
27	29.10	0.04	0.2573	0.0340	0.1876	0.1142	0.6310	0.3173	0.0659	0.0869	0.2201	0.2735
28	29.40	0.04	0.0712	0.0115	0.0624	0.1667	1.1572	0.3145	0.0722	0.0834	0.2295	0.2651
29	29.69	0.04	0.1250	0.0190	0.1144	0.1521	0.9158	0.3200	0.0736	0.0695	0.2301	0.2799
30	29.77	0.04	0.1244	0.0150	0.1604	0.1579	0.8998	0.3482	0.0767	0.1046	0.2203	0.3004
31	30.26	0.07	0.2614	0.0375	0.1873	0.1334	0.6656	0.3453	0.0762	0.1043	0.2207	0.3020
32	30.53	0.06	0.1242	0.0230	0.1151	0.1849	0.9486	0.3565	0.0793	0.1067	0.2225	0.3050
33	30.60	0.05	0.1047	0.0200	0.1006	0.1583	1.0203	0.3506	0.0796	0.1106	0.2270	0.3154
34	31.08	0.05	0.1450	0.0254	0.1227	0.1750	0.8463	0.3625	0.0804	0.1166	0.2217	0.3271
35	31.35	0.05	0.1545	0.0285	0.1275	0.1869	0.8231	0.3623	0.0812	0.1209	0.2242	0.3337
36	31.64	0.07	0.1441	0.0285	0.1214	0.2003	0.8540	0.3816	0.0828	0.1328	0.2169	0.3479
37	31.89	0.05	0.1777	0.0277	0.1330	0.1558	0.7661	0.4019	0.0828	0.1356	0.2080	0.3373
38	32.17	0.05	0.0803	0.0150	0.0673	0.2449	1.0812	0.3959	0.0831	0.1374	0.2098	0.3471
39	32.43	0.05	0.1612	0.0277	0.1167	0.1718	0.7235	0.4273	0.0834	0.1503	0.1951	0.3518
40	32.69	0.07	0.1564	0.0333	0.1335	0.1674	0.6715	0.4306	0.0841	0.1543	0.1953	0.3581
41	32.97	0.06	0.3301	0.0444	0.1757	0.1345	0.5443	0.4768	0.0844	0.1685	0.1771	0.3533
42	33.22	0.04	0.3545	0.0400	0.1915	0.1351	0.5347	0.4624	0.0850	0.1724	0.1762	0.3574
43	33.47	0.07	0.3733	0.0459	0.1914	0.1336	0.5128	0.5113	0.0850	0.1805	0.1863	0.3551
44	33.74	0.06	0.3300	0.0476	0.1632	0.1407	0.5421	0.5007	0.0851	0.1764	0.1700	0.3523
45	33.97	0.06	0.3302	0.0456	0.1834	0.1382	0.5555	0.5064	0.0851	0.1792	0.1681	0.3538
46	34.21	0.06	0.3103	0.0440	0.1733	0.1418	0.5585	0.5094	0.0851	0.1783	0.1671	0.3501

PAGE 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

SHEET 2 OF 4

TEST PART MACH AX10-6			PHI CONF		C		DEL1	DEL2	DEL3	DEL4	TRANSITION	
1 127 0.90 1.7			C.C 0.100F23		C.C		0	-30	0	-30	UNKNOWN	
FCINT	ALPHA	BETA	CONF1	CH1	CH2	XCFF1	YCPF1	CONF2	CH2	CB2	XCFF2	YCPF2
47	34.47	0.04	0.2400	0.0373	0.1451	0.1556	0.6047	0.5123	0.0651	0.1774	0.1661	0.3463
48	34.74	0.04	0.2470	0.0338	0.1451	0.1564	0.6021	0.5180	0.0651	0.1801	0.1643	0.3477
49	34.95	0.02	0.2400	0.0334	0.1493	0.1340	0.6019	0.5248	0.0844	0.1821	0.1609	0.3465
50	35.20	0.03	0.1831	0.0226	0.1183	0.1454	0.6459	0.5363	0.0641	0.1865	0.1569	0.3478
51	35.45	0.03	0.1567	0.0223	0.1030	0.1404	0.6486	0.5537	0.0636	0.1503	0.1509	0.3436
52	35.67	0.01	0.1271	0.0214	0.0804	0.1688	0.6325	0.5683	0.0833	0.1528	0.1465	0.3386
53	35.91	0.00	0.1556	0.0262	0.1167	0.1315	0.5846	0.5635	0.0637	0.1502	0.1485	0.3375
54	36.15	0.01	0.0662	0.0071	0.0172	0.6706	2.0941	0.5605	0.0637	0.1893	0.1477	0.3342
55	36.38	0.02	0.0375	0.0020	0.0163	0.6534	0.4300	0.5637	0.0631	0.1576	0.1423	0.3365
56	36.61	0.02	0.0652	0.0012	0.0307	0.6017	0.4704	0.5761	0.0634	0.1525	0.1442	0.3330
57	36.85	0.01	0.0625	0.0004	0.0161	0.6095	0.4725	0.5665	0.0637	0.1893	0.1477	0.3342
58	37.09	0.01	0.0722	0.0036	0.0384	0.6445	0.5321	0.5926	0.0831	0.1961	0.1402	0.3308
59	37.31	0.00	0.0453	0.0020	0.0207	0.6443	0.4584	0.5851	0.0632	0.1859	0.1421	0.3245
60	37.55	0.00	0.0353	0.0020	0.0151	0.6574	0.4290	0.5751	0.0638	0.1894	0.1446	0.3271
61	37.78	0.01	0.0365	0.0004	0.0435	0.6066	0.7442	0.6170	0.0605	0.2018	0.1310	0.3276
62	38.02	0.01	0.0044	0.0004	0.0603	0.4565	1.4130	0.6025	0.0614	0.1971	0.1352	0.3272
63	38.26	0.02	0.0005	0.0004	0.0644	0.8005	9.2200	0.5623	0.0814	0.1896	0.1399	0.3256
64	38.48	0.00	0.0626	0.0012	0.0093	0.6568	0.4068	0.5939	0.0814	0.1529	0.1371	0.3248
65	38.71	0.01	0.0600	0.0006	0.0132	0.1300	0.2672	0.5861	0.0813	0.1525	0.1388	0.3264
66	38.94	0.03	0.0304	0.0044	0.0065	0.1437	0.2250	0.5975	0.0816	0.1592	0.1366	0.3334
67	39.15	0.01	0.0540	0.0072	0.0130	0.1339	0.2411	0.6063	0.0816	0.2011	0.1346	0.3316
68	39.38	0.01	0.1511	0.0188	0.0644	0.1245	0.4298	0.6150	0.0810	0.2053	0.1318	0.3336
69	39.59	0.01	0.0464	0.0076	0.0095	0.1642	0.2141	0.5976	0.0822	0.1569	0.1376	0.3255
70	39.81	0.01	0.1636	0.0216	0.0699	0.1321	0.4285	0.6237	0.0810	0.2072	0.1255	0.3321
71	40.03	0.02	0.1907	0.0276	0.0606	0.1403	0.4095	0.6195	0.0816	0.2053	0.1327	0.3335
72	40.25	0.01	0.1541	0.0211	0.0605	0.1371	0.3951	0.6093	0.0816	0.2002	0.1340	0.3266
73	40.43	0.00	0.1538	0.0204	0.0618	0.1324	0.4021	0.6316	0.0804	0.2088	0.1273	0.3306
74	40.64	0.00	0.1364	0.0163	0.0594	0.1195	0.3883	0.6258	0.0795	0.2082	0.1270	0.3327
75	40.86	0.02	0.1508	0.0187	0.0648	0.1241	0.4295	0.6317	0.0792	0.2087	0.1254	0.3304
76	41.08	0.00	0.1410	0.0127	0.0581	0.1326	0.4120	0.6406	0.0781	0.2083	0.1219	0.3252
77	41.28	0.01	0.1438	0.0176	0.0595	0.1221	0.4141	0.6387	0.0787	0.2073	0.1233	0.3245
78	41.47	0.00	0.1413	0.0163	0.0562	0.1250	0.4115	0.6504	0.0782	0.2105	0.1262	0.3237
79	41.67	0.00	0.1252	0.0175	0.0588	0.1433	0.4692	0.6679	0.0770	0.2166	0.1153	0.3243
80	41.88	0.01	0.1560	0.0204	0.0601	0.1263	0.4294	0.6504	0.0782	0.2105	0.1262	0.3237
81	42.08	0.01	0.1167	0.0155	0.0645	0.1332	0.5525	0.6911	0.0770	0.2243	0.1114	0.3246
82	42.28	0.00	0.1600	0.0211	0.0735	0.1273	0.4430	0.6564	0.0776	0.2087	0.1182	0.3175
83	42.46	0.00	0.0745	0.0112	0.0371	0.1495	0.4948	0.6826	0.0784	0.2166	0.1119	0.3173
84	42.64	0.02	0.0636	0.0116	0.0516	0.1362	0.6164	0.7030	0.0753	0.2241	0.1071	0.3188
85	42.82	0.01	0.1407	0.0152	0.0627	0.1365	0.4558	0.6798	0.0770	0.2153	0.1133	0.3187
86	43.01	0.00	0.0657	0.0109	0.0365	0.1551	0.5235	0.7118	0.0753	0.2260	0.1057	0.3175
87	43.19	0.00	0.0247	0.0016	0.0064	0.0664	0.2576	0.7315	0.0750	0.2358	0.1024	0.3222
88	43.38	0.01	0.0346	0.0028	0.0024	0.0603	0.0531	0.7435	0.0738	0.2413	0.0993	0.3246
89	43.57	0.01	0.0535	0.0140	0.0051	0.1450	0.5868	0.7148	0.0761	0.2274	0.1065	0.3183
90	43.76	0.00	0.1074	0.0148	0.0533	0.1375	0.4980	0.7069	0.0767	0.2223	0.1082	0.3136
91	43.92	0.01	0.0552	0.0108	0.0343	0.1824	0.5762	0.7206	0.0753	0.2256	0.1044	0.3131
92	44.12	0.01	0.1124	0.0138	0.0344	0.1210	0.3064	0.7610	0.0741	0.2452	0.0974	0.3222

PAGE 2 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIC-E			PHI CNPF		C		DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 121 0.50 1.7			0.0 0.10023 0.0		0		-30	0	-30	UNKNOWN		
FCANT	ALPHA	BETA	CNF1	Cn1	CB1	XCFF1	YCFF1	CNF2	Ch2	CB2	XCFF2	YCFF2
93	44.31	0.01	-0.00426	-0.00068	-0.00413	0.1504	0.9003	0.7321	0.0753	0.2312	0.1028	0.3158
94	44.44	0.00	0.00285	0.00016	0.00020	0.0507	0.0700	0.7554	0.0730	0.2401	0.0977	0.3178
95	44.69	0.00	-0.00630	-0.00108	-0.00426	0.1700	0.6707	0.7408	0.0753	0.2331	0.1016	0.3147
96	44.87	0.01	0.00451	0.00096	-0.00005	0.1242	-0.00107	0.7701	0.0735	0.2424	0.0955	0.3147
97	45.06	-0.00	0.00572	0.00052	0.00096	0.0511	0.1720	0.7672	0.0729	0.2422	0.0951	0.3157
98	45.22	-0.00	-0.00125	-0.00024	-0.00276	0.1523	0.2000	0.7600	0.0730	0.2374	0.0958	0.3112
99	45.42	0.00	0.00523	0.00072	0.00010	0.1242	0.0166	0.7713	0.0725	0.2404	0.0939	0.3117
100	45.60	-0.02	0.00562	0.00090	0.00023	0.1115	0.0402	0.7712	0.0730	0.2416	0.0947	0.3133
101	45.75	0.01	-0.00537	-0.00132	-0.00586	0.1411	0.0251	0.7742	0.0733	0.2407	0.0947	0.3105
102	45.94	-0.01	0.00290	0.00024	-0.00000	0.1274	-0.0301	0.7631	0.0719	0.2414	0.0918	0.3083
103	46.14	-0.02	-0.00435	-0.00069	-0.00313	0.1500	0.7121	0.7630	0.0719	0.2437	0.0918	0.3113
104	46.33	-0.01	-0.00559	-0.00090	-0.00324	0.1610	0.6744	0.7602	0.0719	0.2400	0.0921	0.3076
105	46.50	-0.01	-0.00405	-0.00065	-0.00377	0.1690	0.5310	0.7676	0.0714	0.2386	0.0907	0.3030
106	46.67	0.01	-0.00449	-0.00090	-0.00377	0.1671	1.2013	0.7634	0.0705	0.2414	0.0889	0.3063
107	46.85	-0.01	0.00734	0.00088	0.00000	0.1190	0.1143	0.7635	0.0702	0.2413	0.0885	0.3041
108	47.04	-0.00	0.00041	0.00000	-0.00122	-0.1000	-0.9302	0.7643	0.0700	0.2441	0.0875	0.3054
109	47.20	-0.02	-0.00031	-0.00030	-0.00177	1.1503	5.7180	0.7633	0.0702	0.2436	0.0885	0.3071
110	47.36	-0.00	0.00045	-0.00012	-0.00170	-0.2353	-0.9376	0.7643	0.0700	0.2441	0.0875	0.3054
111	47.55	-0.00	-0.00234	-0.00048	-0.00250	0.2056	1.0905	0.7633	0.0702	0.2436	0.0885	0.3071
112	47.74	-0.00	0.00045	0.00040	-0.00030	0.1190	-0.1381	0.00082	0.0691	0.2437	0.0855	0.3016
113	47.91	-0.01	-0.00173	-0.00167	-0.00072	0.1547	0.5277	0.0023	0.0711	0.2409	0.0866	0.3003
114	48.07	-0.03	-0.00404	-0.00090	-0.00370	0.1492	0.7709	0.7657	0.0594	0.2340	0.0756	0.2989
115	48.25	-0.01	-0.00170	-0.00001	-0.00027	0.1715	0.5359	0.0081	0.0711	0.2457	0.0880	0.3016
116	48.42	0.02	-0.00140	-0.00092	-0.00111	0.1674	0.5215	0.0033	0.0584	0.2384	0.0733	0.2960
117	48.60	-0.00	-0.00140	-0.00077	-0.00085	0.1792	0.5231	0.0092	0.0537	0.2411	0.0688	0.2980
118	48.70	-0.00	-0.00090	-0.00180	-0.00094	0.1823	0.5097	0.7690	0.0460	0.2322	0.0594	0.2941
119	48.92	-0.01	-0.00152	-0.00015	-0.00050	0.1784	0.4884	0.0043	0.0463	0.2335	0.0576	0.2903
120	49.10	0.01	-0.00100	-0.00037	-0.00090	0.1621	0.5128	0.0030	0.0430	0.2400	0.0597	0.2916
121	49.26	0.00	-0.00100	-0.00085	-0.00070	0.2000	0.5451	0.0002	0.0441	0.2390	0.0534	0.2893
122	49.44	0.01	-0.00151	-0.00077	-0.00070	0.2145	0.5520	0.0434	0.0432	0.2416	0.0512	0.2863
123	49.64	0.02	-0.00063	-0.00017	-0.00094	0.2044	0.6172	0.0555	0.0444	0.2437	0.0519	0.2845
124	49.83	0.04	-0.00111	-0.00020	-0.00005	0.1504	0.4554	0.0575	0.0507	0.2431	0.0604	0.2836
125	50.03	0.01	-0.00115	-0.00077	-0.00040	0.1620	0.4260	0.0543	0.0607	0.2454	0.0710	0.2885
126	50.20	0.00	-0.00101	-0.00044	-0.00001	0.1897	0.4350	0.0179	0.0598	0.2400	0.0601	0.2803
127	50.37	0.01	-0.00055	-0.00001	-0.00070	0.1676	0.4501	0.0661	0.0415	0.2402	0.0479	0.2773
128	50.55	0.02	-0.00035	-0.00013	-0.00040	0.2555	0.0500	0.0007	0.0412	0.2445	0.0468	0.2780
129	50.71	0.03	-0.00025	-0.00005	-0.00080	0.2653	0.0161	0.0748	0.0606	0.2432	0.0464	0.2780
130	50.88	0.02	-0.00065	-0.00017	-0.00015	0.2461	0.0241	0.0800	0.0400	0.2437	0.0455	0.2767
131	51.05	0.00	-0.00033	-0.00014	-0.00040	0.4348	0.0899	0.0800	0.0409	0.2465	0.0462	0.2781
132	51.21	0.00	0.00004	-0.00003	-0.00009	-0.4300	-0.4002	0.0807	0.0392	0.2428	0.0443	0.2747
133	51.40	0.00	0.00005	-0.00002	-0.00010	-0.3538	-0.5330	0.0805	0.0335	0.2441	0.0445	0.2754
134	51.50	0.00	-0.00000	-0.00000	-0.00000	1.0000	2.7000	0.0904	0.0342	0.2460	0.0437	0.2748
135	51.75	0.00	-0.00022	-0.00014	-0.00025	0.5009	0.8826	0.0892	0.0345	0.2497	0.0435	0.2780
136	51.94	0.00	-0.00025	-0.00012	-0.00030	0.2001	1.2000	0.0940	0.0390	0.2415	0.0443	0.2702
137	52.13	0.00	-0.00009	-0.00002	-0.00005	0.7600	1.1549	0.0967	0.0401	0.2453	0.0448	0.2735
138	52.26	0.00	-0.00003	-0.00000	-0.00000	2.0002	4.4412	0.0914	0.0390	0.2488	0.0434	0.2730

PAGE 2 OF 3
SHEET 6 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RXIC-6			PR1	CONF	1	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	121	C.S.C 1.7	C.C	dlnCF2	C.C	0	-30	0	-30	UNKNOWN		
PLINT	ALPHA	BETA	CNF1	CNF1	Col	XCPF1	YCPF1	CNF2	CNF2	CNF2	XCPF2	YCPF2
139	52.43	0.05	0.0135	0.0048	0.0011	0.3571	0.0788	0.9388	0.0400	0.2493	0.0442	0.2758
140	52.61	0.04	0.0040	0.0032	0.0060	0.0000	1.2400	0.3885	0.0400	0.2406	0.0452	0.2714
141	52.78	0.06	0.0157	0.0050	0.0010	0.3558	0.0013	0.6907	0.0413	0.2412	0.0464	0.2706
142	52.95	0.04	0.0004	0.0030	0.0013	0.0188	0.6212	0.0049	0.0410	0.2304	0.0463	0.2694
143	53.10	0.06	0.0020	0.0	0.0231	0.0	0.8518	0.8672	0.0433	0.2312	0.0500	0.2688
144	53.29	0.07	0.0201	0.0041	0.0124	0.2019	0.0202	0.0769	0.0425	0.2308	0.0483	0.2694
145	53.44	0.08	0.0250	0.0052	0.0140	0.2038	0.5472	0.8605	0.0416	0.2343	0.0474	0.2681
146	53.62	0.07	0.0003	0.0010	0.0240	0.0001	0.0000	0.0634	0.0424	0.2296	0.0489	0.2652
147	53.76	0.05	0.0250	0.0020	0.0150	0.0698	0.6744	0.8761	0.0417	0.2337	0.0476	0.2667
148	53.93	0.05	0.0039	0.0	0.0315	0.0	0.1500	0.0733	0.0417	0.2299	0.0477	0.2633
149	54.08	0.06	0.0243	0.0	0.0247	0.0	0.0155	0.0778	0.0413	0.2300	0.0471	0.2621
150	54.24	0.07	0.0422	0.0004	0.0216	0.0090	0.5000	0.0777	0.0416	0.2209	0.0474	0.2607
151	54.40	0.04	0.0123	0.0028	0.0342	0.2283	0.7674	0.8894	0.0404	0.2333	0.0455	0.2623
152	54.56	0.05	0.0125	0.0024	0.0303	0.1923	0.8823	0.0950	0.0307	0.2372	0.0432	0.2650
153	54.72	0.05	0.0205	0.0016	0.0360	0.0750	0.7793	0.9305	0.0381	0.2381	0.0420	0.2628
154	54.80	0.05	0.0137	0.0004	0.0445	0.0404	0.2405	0.0835	0.0375	0.2339	0.0425	0.2647
155	55.03	0.03	0.0190	0.0001	0.0445	0.3147	0.2304	0.5958	0.0374	0.2353	0.0420	0.2642
156	55.19	0.03	0.0190	0.0004	0.0444	0.4729	0.0930	0.0930	0.0374	0.2345	0.0419	0.2623
157	55.35	0.04	0.0277	0.0000	0.0497	0.2100	0.7944	0.8949	0.0375	0.2371	0.0419	0.2645
158	55.51	0.04	0.0240	0.0001	0.0400	0.2431	0.0941	0.9242	0.0361	0.2404	0.0390	0.2667
159	55.65	0.02	0.0457	0.0072	0.0503	0.1656	0.1501	0.8934	0.0374	0.2367	0.0419	0.2645
160	55.81	0.04	0.0035	0.0000	0.0413	0.0937	0.0405	0.8047	0.0374	0.2337	0.0423	0.2642
161	55.96	0.04	0.0715	0.0071	0.0416	0.0993	0.5765	0.6775	0.0374	0.2293	0.0427	0.2614
162	56.12	0.04	0.0750	0.0048	0.0405	0.0000	0.5091	0.0001	0.0371	0.2235	0.0419	0.2635
163	56.29	0.04	0.0743	0.0024	0.0435	0.0852	0.5819	0.8817	0.0369	0.2322	0.0418	0.2634
164	56.42	0.05	0.0559	0.0040	0.0424	0.0503	0.4416	0.0709	0.0363	0.2296	0.0413	0.2613
165	56.58	0.01	0.1000	0.0040	0.0350	0.0363	0.3632	0.8643	0.0371	0.2250	0.0430	0.2603
166	56.74	0.05	0.1110	0.0040	0.0301	0.0455	0.3252	0.8086	0.0371	0.2274	0.0428	0.2618
167	56.88	0.01	0.1513	0.0016	0.0303	0.0125	0.2307	0.6687	0.0371	0.2251	0.0428	0.2591
168	57.04	0.02	0.1456	0.0000	0.0255	0.0054	0.1772	0.0701	0.0360	0.2201	0.0422	0.2558
169	57.21	0.02	0.1443	0.0012	0.0300	0.0000	0.2079	0.8700	0.0368	0.2299	0.0423	0.2638
170	57.30	0.02	0.1344	0.0020	0.0334	0.0151	0.2404	0.8772	0.0363	0.2303	0.0414	0.2626
171	57.46	0.02	0.1475	0.0004	0.0330	0.0026	0.2237	0.8715	0.0365	0.2265	0.0423	0.2595
172	57.63	0.00	0.1525	0.0004	0.0303	0.0025	0.1900	0.8945	0.0365	0.2374	0.0407	0.2662
173	57.78	0.03	0.1576	0.0004	0.0250	0.0024	0.1880	0.8785	0.0368	0.2302	0.0418	0.2621
174	57.94	0.00	0.1054	0.0	0.0200	0.0	0.1739	0.9047	0.0344	0.2404	0.0361	0.2658
175	58.08	0.05	0.1427	0.0028	0.0351	0.0192	0.2682	0.9321	0.0344	0.2487	0.0370	0.2685
176	58.23	0.10	0.1435	0.0043	0.0400	0.0303	0.3053	0.9304	0.0342	0.2506	0.0367	0.2693
177	58.37	0.13	0.1423	0.0008	0.0358	0.0054	0.2513	0.9305	0.0339	0.2483	0.0364	0.2688
178	58.44	0.10	0.1440	0.0020	0.0425	0.0105	0.3393	0.9169	0.0335	0.2473	0.0362	0.2691

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME KXIC-6			PHI		CNF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION
1 127 C.90 A.1			C.C 6100F23		C.C		C.C		0	-30	0	-30	UNKNOWN
PLINT	ALPHA	BETA	CNF1	CNF2	CNF3	CNF4	CNF5	XCPF3	YCPF3	CNF4	CNF5	XCPF4	YCPF4
1	-5.36	0.00	0.0566	0.0566	0.0428	0.0566	0.0566	0.7564	-0.8431	-0.0063	-0.3668	0.0074	0.4588
2	-5.37	0.00	0.0466	0.0466	0.0443	0.0466	0.0466	0.9107	-0.8402	-0.0054	-0.3859	0.0064	0.4561
3	-5.37	0.01	0.0466	0.0466	0.0433	0.0466	0.0466	0.8909	-0.8401	-0.0060	-0.3870	0.0071	0.4574
4	-5.37	0.00	0.0536	0.0536	0.0436	0.0536	0.0536	0.8100	-0.8329	-0.0066	-0.3812	0.0079	0.4577
5	-3.88	0.01	0.0345	0.0345	0.0454	0.0345	0.0345	1.4144	-0.7938	-0.0083	-0.3642	0.0105	0.4585
6	-2.63	0.01	0.0461	0.0461	0.0346	0.0461	0.0461	1.1305	-0.7815	-0.0057	-0.3580	0.0125	0.4580
7	-0.17	0.02	0.0566	0.0566	0.0564	0.0566	0.0566	0.9638	-0.6372	-0.0116	-0.3732	0.0141	0.4456
8	1.07	0.01	0.0527	0.0527	0.0551	0.0527	0.0527	2.0392	-0.9442	-0.0140	-0.4124	0.0147	0.4344
9	3.60	0.01	0.0106	0.0106	0.0567	0.0106	0.0106	5.5455	-0.4016	-0.0203	-0.3814	0.0225	0.4231
10	5.37	0.01	-0.0046	0.0566	0.0432	0.0566	0.0566	-9.3600	-0.5013	-0.0317	-0.3666	0.0352	0.4603
11	7.24	0.01	0.0060	0.0566	0.0555	0.0566	0.0566	6.9277	-0.8250	-0.0408	-0.3401	0.0455	0.4123
12	5.64	0.01	0.0345	0.0566	0.0463	0.0566	0.0566	1.3840	-0.7529	-0.0452	-0.3188	0.0600	0.4234
13	10.90	0.00	0.0017	0.0566	0.0473	0.0566	0.0566	0.7666	-0.6761	-0.0477	-0.2850	0.0703	0.4203
14	12.74	0.01	0.0346	0.0566	0.0384	0.0566	0.0566	0.7107	-0.5645	-0.0514	-0.2540	0.0910	0.4495
15	14.61	0.02	0.0075	0.0566	0.0353	0.0566	0.0566	0.5229	-0.4528	-0.0511	-0.2227	0.1125	0.4518
16	16.53	0.01	0.0438	0.0566	0.0364	0.0566	0.0566	0.6538	-0.3131	-0.0414	-0.1657	0.1322	0.5251
17	18.44	0.00	0.0457	0.0566	0.0324	0.0566	0.0566	0.7417	-0.1992	-0.0220	-0.1053	0.1104	0.5263
18	20.32	-0.01	0.0012	0.0566	0.0312	0.0566	0.0566	2.0910	-0.0922	-0.0003	-0.0572	0.0031	0.6263
19	22.21	-0.02	-0.0010	0.0566	0.0196	0.0566	0.0566	-2.0300	0.0244	0.0191	-0.0043	0.7826	-0.1779
20	24.11	-0.03	0.0054	0.0566	0.0206	0.0566	0.0566	2.8454	0.1410	0.0377	0.0397	0.2676	0.2813
21	25.99	-0.02	0.0121	0.0566	0.0256	0.0566	0.0566	2.1360	0.2222	0.0554	0.0608	0.2452	0.3005
22	27.92	0.04	0.0351	0.0566	0.0401	0.0566	0.0566	0.7796	0.2108	0.0704	0.0711	0.3219	0.3290
23	28.20	0.02	0.0354	0.0566	0.0455	0.0566	0.0566	0.8137	0.2076	0.0687	0.0746	0.3309	0.3592
24	28.21	0.03	0.0644	0.0566	0.0486	0.0566	0.0566	0.7556	0.2167	0.0718	0.0811	0.3282	0.3710
25	28.49	0.04	0.0657	0.0566	0.0512	0.0566	0.0566	0.7355	0.2167	0.0733	0.0836	0.3352	0.3826
26	28.76	0.05	0.0750	0.0566	0.0516	0.0566	0.0566	0.6885	0.2069	0.0736	0.0827	0.3555	0.3997
27	29.10	0.04	0.0645	0.0566	0.0496	0.0566	0.0566	0.7725	0.2168	0.0749	0.0893	0.3422	0.4083
28	29.40	0.04	0.0467	0.0566	0.0433	0.0566	0.0566	0.8091	0.2000	0.0704	0.1079	0.2557	0.4148
29	29.69	0.04	0.0615	0.0566	0.0465	0.0566	0.0566	0.7508	0.3096	0.0804	0.1305	0.2554	0.4214
30	29.97	0.04	0.0386	0.0566	0.0461	0.0566	0.0566	0.8145	0.3276	0.0812	0.1430	0.2480	0.4365
31	30.26	0.07	0.0615	0.0566	0.0476	0.0566	0.0566	0.7679	0.3546	0.0804	0.1526	0.2267	0.4305
32	30.53	0.06	0.0562	0.0566	0.0463	0.0566	0.0566	0.7618	0.4079	0.0815	0.1775	0.1959	0.4353
33	30.80	0.05	0.0553	0.0566	0.0442	0.0566	0.0566	0.7447	0.4062	0.0807	0.1808	0.1976	0.4429
34	31.08	0.05	0.0753	0.0566	0.0306	0.0566	0.0566	0.6744	0.4414	0.0822	0.1580	0.1862	0.4485
35	31.35	0.05	0.0566	0.0566	0.0423	0.0566	0.0566	0.7087	0.4555	0.0816	0.1564	0.1874	0.4508
36	31.64	0.07	0.0647	0.0566	0.0447	0.0566	0.0566	0.6900	0.4757	0.0821	0.2166	0.1734	0.4573
37	31.85	0.05	0.0647	0.0566	0.0447	0.0566	0.0566	0.6900	0.4194	0.0844	0.1930	0.2013	0.4601
38	32.17	0.05	0.0451	0.0566	0.0351	0.0566	0.0566	0.7151	0.4615	0.0833	0.2136	0.1604	0.4629
39	32.45	0.05	0.0645	0.0566	0.0405	0.0566	0.0566	0.6241	0.4459	0.0862	0.2054	0.1932	0.4656
40	32.69	0.07	0.0606	0.0566	0.0460	0.0566	0.0566	0.5652	0.4739	0.0845	0.2242	0.1761	0.4672
41	32.97	0.06	0.0613	0.0566	0.0520	0.0566	0.0566	0.5698	0.4190	0.0852	0.2002	0.2128	0.4778
42	33.22	0.05	0.0763	0.0566	0.0446	0.0566	0.0566	0.5721	0.4436	0.0868	0.2056	0.1958	0.4725
43	33.47	0.07	0.0540	0.0566	0.0522	0.0566	0.0566	0.5554	0.3546	0.0909	0.1854	0.2303	0.4657
44	33.74	0.06	0.0516	0.0566	0.0450	0.0566	0.0566	0.5353	0.4436	0.0898	0.2050	0.2025	0.4712
45	33.97	0.06	0.0650	0.0566	0.0476	0.0566	0.0566	0.5369	0.4555	0.0855	0.2105	0.1966	0.4630
46	34.21	0.06	0.0554	0.0566	0.0537	0.0566	0.0566	0.5408	0.4266	0.0858	0.2023	0.2056	0.4721

PAGE 3 OF 3
 SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH WIND PFA CNF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
1 127 0.90 1.7 0.0 0.100F23 C.C 0 -30 0 -30 UNKNOWN												
PLINT	ALPHA	BETA	CNF3	CNF4	CNF5	XCPF3	YCPF3	CNF4	CF4	CNF4	XCPF4	YCPF4
47	34.47	0.04	0.0757	0.0757	0.0757	0.0757	0.0757	0.0757	0.0757	0.0757	0.0757	0.0757
48	34.72	0.04	0.0652	0.0652	0.0652	0.0652	0.0652	0.0652	0.0652	0.0652	0.0652	0.0652
49	34.55	0.02	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734
50	35.20	0.03	0.0755	0.0755	0.0755	0.0755	0.0755	0.0755	0.0755	0.0755	0.0755	0.0755
51	35.45	-0.00	0.0755	0.0755	0.0755	0.0755	0.0755	0.0755	0.0755	0.0755	0.0755	0.0755
52	35.07	0.01	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734	0.0734
53	35.51	0.00	0.0657	0.0657	0.0657	0.0657	0.0657	0.0657	0.0657	0.0657	0.0657	0.0657
54	36.15	-0.01	0.0623	0.0623	0.0623	0.0623	0.0623	0.0623	0.0623	0.0623	0.0623	0.0623
55	36.38	-0.02	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551	0.0551
56	36.01	-0.02	0.0705	0.0705	0.0705	0.0705	0.0705	0.0705	0.0705	0.0705	0.0705	0.0705
57	36.85	-0.01	0.0763	0.0763	0.0763	0.0763	0.0763	0.0763	0.0763	0.0763	0.0763	0.0763
58	37.09	-0.01	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605
59	37.31	0.00	0.0711	0.0711	0.0711	0.0711	0.0711	0.0711	0.0711	0.0711	0.0711	0.0711
60	37.55	-0.00	0.0604	0.0604	0.0604	0.0604	0.0604	0.0604	0.0604	0.0604	0.0604	0.0604
61	37.78	-0.01	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656
62	38.02	0.01	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
63	38.26	0.02	0.0735	0.0735	0.0735	0.0735	0.0735	0.0735	0.0735	0.0735	0.0735	0.0735
64	38.48	0.00	0.0664	0.0664	0.0664	0.0664	0.0664	0.0664	0.0664	0.0664	0.0664	0.0664
65	38.71	-0.01	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554
66	38.92	0.03	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600
67	39.15	-0.01	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600
68	39.36	-0.01	0.0501	0.0501	0.0501	0.0501	0.0501	0.0501	0.0501	0.0501	0.0501	0.0501
69	39.59	-0.01	0.0445	0.0445	0.0445	0.0445	0.0445	0.0445	0.0445	0.0445	0.0445	0.0445
70	39.81	0.01	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555	0.0555
71	40.03	-0.02	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365
72	40.25	-0.01	0.0502	0.0502	0.0502	0.0502	0.0502	0.0502	0.0502	0.0502	0.0502	0.0502
73	40.43	-0.00	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268
74	40.64	0.00	0.0354	0.0354	0.0354	0.0354	0.0354	0.0354	0.0354	0.0354	0.0354	0.0354
75	40.86	-0.02	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355
76	41.00	0.00	0.0472	0.0472	0.0472	0.0472	0.0472	0.0472	0.0472	0.0472	0.0472	0.0472
77	41.28	0.01	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473
78	41.47	-0.00	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353
79	41.67	-0.00	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453	0.0453
80	41.88	-0.01	0.0313	0.0313	0.0313	0.0313	0.0313	0.0313	0.0313	0.0313	0.0313	0.0313
81	42.06	0.01	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473	0.0473
82	42.28	-0.00	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444	0.0444
83	42.46	0.00	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378	0.0378
84	42.68	-0.00	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448
85	42.82	-0.01	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323	0.0323
86	43.01	-0.00	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
87	43.15	-0.00	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470
88	43.36	0.01	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470
89	43.57	0.01	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352	0.0352
90	43.70	0.00	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417
91	43.92	-0.01	0.0347	0.0347	0.0347	0.0347	0.0347	0.0347	0.0347	0.0347	0.0347	0.0347
92	44.12	-0.01	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

POINT	TEST PART FACTORIAL-6		PHI		CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION
	7	127 C.50 1-7	U.C	0.10CF23	C.0	0	-30	0	-30	0	-30	UNKNOWN			
POINT	ALPHA	BETA	CNF2	Cnf3	C63	XCPF3	YCPF3	CNF4	Cnf4	CB4	XCPF4	YCPF4			
93	44.31	0.01	0.0425	0.9955	0.0363	0.9999	0.7737	0.5604	0.0862	0.2839	0.1469	0.4846			
94	44.45	0.01	0.0444	0.9955	0.0357	0.9999	0.8027	0.5607	0.0850	0.2836	0.1456	0.4858			
95	44.69	0.01	0.0476	0.9955	0.0336	0.9996	0.8121	0.5627	0.0833	0.2876	0.1435	0.4853			
96	44.87	0.01	0.0453	0.9955	0.0428	0.9999	0.8474	0.5748	0.0850	0.2807	0.1479	0.4883			
97	45.06	-0.00	0.0456	0.9955	0.0357	0.9999	0.8327	0.5837	0.0853	0.2836	0.1461	0.4856			
98	45.24	-0.02	0.0455	0.9955	0.0357	0.9999	0.8012	0.5876	0.0845	0.2853	0.1438	0.4854			
99	45.42	0.00	0.0450	0.9955	0.0336	0.9995	0.8614	0.5878	0.0848	0.2875	0.1443	0.4892			
100	45.62	-0.02	0.0446	0.9955	0.0423	0.9999	0.7711	0.5847	0.0851	0.2851	0.1455	0.4876			
101	45.79	0.01	0.0444	0.9955	0.0341	0.9955	0.7674	0.5937	0.0854	0.2892	0.1438	0.4871			
102	45.94	-0.01	0.0450	0.9955	0.0346	0.9959	0.8886	0.5935	0.0842	0.2879	0.1418	0.4848			
103	46.16	-0.02	0.0456	0.9955	0.0387	0.9999	0.7302	0.5995	0.0851	0.2918	0.1419	0.4865			
104	46.33	-0.01	0.0442	0.9955	0.0423	0.9999	0.7711	0.5879	0.0845	0.2867	0.1438	0.4811			
105	46.50	-0.01	0.0457	0.9955	0.0376	0.9955	0.7573	0.5981	0.0838	0.2920	0.1402	0.4881			
106	46.67	0.01	0.0444	0.9955	0.0362	0.9999	0.8152	0.6014	0.0830	0.2922	0.1380	0.4858			
107	46.85	-0.01	0.0450	0.9955	0.0402	0.9959	0.7312	0.5952	0.0836	0.2920	0.1357	0.4881			
108	47.04	-0.02	0.0457	0.9955	0.0376	0.9959	0.7573	0.6046	0.0820	0.2924	0.1357	0.4836			
109	47.23	-0.02	0.0472	0.9955	0.0343	0.9956	0.7260	0.6014	0.0830	0.2955	0.1380	0.4814			
110	47.36	-0.03	0.0456	0.9955	0.0358	0.9959	0.8016	0.6077	0.0817	0.2936	0.1345	0.4832			
111	47.55	-0.03	0.0451	0.9955	0.0357	0.9955	0.8617	0.6198	0.0814	0.2979	0.1314	0.4803			
112	47.74	-0.02	0.0450	0.9955	0.0347	0.9959	0.8911	0.6138	0.0817	0.2985	0.1332	0.4864			
113	47.91	-0.01	0.0464	0.9955	0.0256	0.9959	1.0042	0.6201	0.0808	0.3011	0.1299	0.4856			
114	48.07	-0.03	0.0447	0.9955	0.0360	0.9959	0.8034	0.6173	0.0797	0.3020	0.1291	0.4892			
115	48.25	-0.01	0.0464	0.9955	0.0335	0.9955	0.9204	0.6234	0.0797	0.3047	0.1278	0.4888			
116	48.42	0.02	0.0464	0.9955	0.0335	0.9959	0.9204	0.6140	0.0805	0.3015	0.1317	0.4917			
117	48.60	-0.00	0.0430	0.9955	0.0252	0.9959	1.2731	0.6082	0.0806	0.3014	0.1325	0.4956			
118	48.78	-0.00	0.0464	0.9955	0.0335	0.9959	0.9204	0.6148	0.0780	0.3028	0.1268	0.4925			
119	48.92	-0.01	0.0463	0.9955	0.0345	0.9955	0.9521	0.6035	0.0791	0.3035	0.1300	0.4958			
120	49.10	0.01	0.0421	0.9955	0.0292	0.9955	1.2678	0.6094	0.0799	0.3074	0.1311	0.5044			
121	49.28	0.00	0.0437	0.9955	0.0333	0.9955	0.9885	0.6036	0.0786	0.3058	0.1303	0.5068			
122	49.44	0.01	0.0437	0.9955	0.0343	0.9959	1.0021	0.5937	0.0762	0.3010	0.1183	0.5071			
123	49.64	0.02	0.0450	0.9955	0.0305	0.9959	0.9455	0.5516	0.0591	0.3037	0.1017	0.5222			
124	49.83	0.04	0.0451	0.9955	0.0347	0.9959	0.8889	0.5605	0.0711	0.2976	0.1269	0.5305			
125	50.03	0.01	0.0436	0.9955	0.0354	0.9959	1.0546	0.5346	0.0665	0.2930	0.1243	0.5481			
126	50.20	0.00	0.0470	0.9955	0.0386	0.9959	0.8214	0.5146	0.0625	0.2857	0.1211	0.5552			
127	50.37	0.01	0.0456	0.9955	0.0441	0.9959	0.8891	0.5458	0.0613	0.2983	0.1122	0.5466			
128	50.55	0.02	0.0470	0.9955	0.0407	0.9959	0.8005	0.5487	0.0618	0.2957	0.1127	0.5462			
129	50.71	0.03	0.0450	0.9955	0.0442	0.9955	0.8105	0.5489	0.0618	0.3031	0.1121	0.5521			
130	50.88	0.02	0.0444	0.9955	0.0395	0.9959	0.8891	0.5490	0.0613	0.3031	0.1116	0.5520			
131	51.05	0.00	0.0403	0.9955	0.0471	0.9955	0.7808	0.5604	0.0633	0.3051	0.1129	0.5444			
132	51.21	0.03	0.0430	0.9955	0.0473	0.9959	0.7504	0.5550	0.0613	0.3079	0.1104	0.5548			
133	51.40	0.03	0.0450	0.9955	0.0465	0.9959	0.8388	0.5459	0.0613	0.3082	0.1122	0.5608			
134	51.56	0.03	0.0450	0.9955	0.0441	0.9959	0.8908	0.5518	0.0618	0.3077	0.1121	0.5576			
135	51.75	0.05	0.0470	0.9955	0.0407	0.9955	0.8665	0.5366	0.0624	0.3033	0.1163	0.5652			
136	51.94	0.04	0.0450	0.9955	0.0444	0.9955	0.8105	0.5437	0.0614	0.3063	0.1129	0.5634			
137	52.10	0.03	0.0457	0.9955	0.0421	0.9955	0.8466	0.5344	0.0622	0.3024	0.1164	0.5658			
138	52.26	0.05	0.0450	0.9955	0.0451	0.9959	1.0025	0.5436	0.0622	0.3087	0.1145	0.5678			

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	XXIC-6	PHI	CLNF	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7		A21	C.50	A.7	C.00	0	-30	0	-30	UNKNOWN		
PLINT	ALPHA	BETA	LNFS	CH3	CH4	XCPF3	YCPF3	CNF4	C44	CH4	XCPF4	YCPF4
139	52.43	0.05	0.0450	5.5555	0.0420	5.5555	0.8463	0.5429	0.0637	0.3058	0.1118	0.5632
140	52.80	0.04	0.0450	5.5555	0.0420	5.5555	0.8463	0.5429	0.0637	0.3058	0.1141	0.5669
141	52.78	0.06	0.0450	5.5555	0.0420	5.5555	0.7620	0.5378	0.0635	0.3035	0.1125	0.5644
142	52.55	0.04	0.0450	5.5555	0.0463	5.5555	0.7672	0.5379	0.0599	0.3035	0.1114	0.5643
143	53.10	0.06	0.0450	5.5555	0.0452	5.5555	0.9105	0.5320	0.0590	0.2997	0.1110	0.5633
144	53.29	0.07	0.0450	5.5555	0.0421	5.5555	0.8466	0.5320	0.0593	0.2997	0.1115	0.5633
145	53.49	0.06	0.0470	5.5555	0.0407	5.5555	0.8665	0.5312	0.0590	0.3003	0.1110	0.5653
146	53.62	0.07	0.0654	5.5555	0.0311	5.5555	0.7906	0.5344	0.0564	0.3038	0.1092	0.5685
147	53.76	0.05	0.0441	5.5555	0.0415	5.5555	0.9409	0.5424	0.0589	0.3040	0.1085	0.5606
148	53.93	0.05	0.0404	5.5555	0.0405	5.5555	0.7526	0.5435	0.0563	0.3010	0.1052	0.5643
149	54.08	0.04	0.0327	5.5555	0.0410	5.5555	1.0598	0.5414	0.0588	0.3012	0.1085	0.5564
150	54.24	0.04	0.0441	5.5555	0.0414	5.5555	0.9367	0.5474	0.0590	0.3073	0.1075	0.5614
151	54.40	0.04	0.0450	5.5555	0.0450	5.5555	0.9119	0.5534	0.0553	0.3086	0.1072	0.5582
152	54.56	0.05	0.0321	5.5555	0.0385	5.5555	1.0025	0.5623	0.0567	0.3063	0.1043	0.5482
153	54.72	0.05	0.0454	5.5555	0.0428	5.5555	0.8672	0.5591	0.0552	0.3061	0.1060	0.5510
154	54.88	0.05	0.0335	5.5555	0.0353	5.5555	1.0047	0.5602	0.0552	0.3152	0.1021	0.5433
155	55.03	0.05	0.0451	5.5555	0.0455	5.5555	0.9352	0.5764	0.0583	0.3133	0.1011	0.5435
156	55.19	0.05	0.0360	5.5555	0.0357	5.5555	1.1015	0.6004	0.0580	0.3164	0.0966	0.5303
157	55.33	0.04	0.0440	5.5555	0.0414	5.5555	0.9408	0.5834	0.0581	0.3142	0.0958	0.5385
158	55.51	0.04	0.0413	5.5555	0.0412	5.5555	0.9977	0.5953	0.0584	0.3173	0.0981	0.5331
159	55.65	0.02	0.0333	5.5555	0.0354	5.5555	1.1536	0.6003	0.0580	0.3172	0.0986	0.5283
160	55.81	0.04	0.0307	5.5555	0.0361	5.5555	1.1761	0.5862	0.0586	0.3136	0.0956	0.5322
161	55.96	0.04	0.0306	5.5555	0.0371	5.5555	1.2114	0.5995	0.0573	0.3166	0.0956	0.5281
162	56.12	0.04	0.0326	5.5555	0.0367	5.5555	1.0025	0.5962	0.0562	0.3131	0.0976	0.5252
163	56.29	0.04	0.0413	5.5555	0.0400	5.5555	0.9696	0.6054	0.0571	0.3175	0.0942	0.5238
164	56.42	0.05	0.0220	5.5555	0.0365	5.5555	1.3172	0.6002	0.0574	0.3146	0.0956	0.5245
165	56.58	0.01	0.0233	5.5555	0.0383	5.5555	1.1507	0.5942	0.0574	0.3077	0.0968	0.5175
166	56.74	0.05	0.0361	5.5555	0.0376	5.5555	0.9726	0.6021	0.0575	0.3123	0.0962	0.5187
167	56.88	0.01	0.0306	5.5555	0.0371	5.5555	1.2114	0.5932	0.0573	0.3096	0.0966	0.5218
168	57.04	0.02	0.0335	5.5555	0.0362	5.5555	1.0070	0.5983	0.0566	0.3092	0.0947	0.5165
169	57.21	0.02	0.0306	5.5555	0.0370	5.5555	1.2082	0.6074	0.0563	0.3155	0.0928	0.5155
170	57.30	0.02	0.0280	5.5555	0.0347	5.5555	1.2414	0.5932	0.0567	0.3062	0.0956	0.5155
171	57.48	0.02	0.0226	5.5555	0.0353	5.5555	1.5641	0.5811	0.0570	0.3040	0.0981	0.5232
172	57.65	0.00	0.0333	5.5555	0.0362	5.5555	1.0070	0.5872	0.0567	0.3066	0.0966	0.5222
173	57.83	0.03	0.0275	5.5555	0.0357	5.5555	1.2803	0.5923	0.0561	0.3085	0.0946	0.5175
174	57.94	0.00	0.0227	5.5555	0.0332	5.5555	1.4638	0.6105	0.0555	0.3145	0.0905	0.5151
175	58.08	0.05	0.0227	5.5555	0.0343	5.5555	1.5106	0.6306	0.0544	0.3277	0.0838	0.5038
176	58.23	0.10	0.0200	5.5555	0.0315	5.5555	1.5990	0.6407	0.0537	0.3250	0.0831	0.5035
177	58.37	0.13	0.0227	5.5555	0.0332	5.5555	1.4638	0.6012	0.0561	0.3105	0.0932	0.5164
178	58.44	0.10	0.0226	5.5555	0.0311	5.5555	1.3644	0.6000	0.0566	0.3001	0.0977	0.5174

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	ATC-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	128	1.00	1.7	0.0	0.100F23	0.0	0	-30	0	-30	UNKNOWN
PCANT	ALPHA	BETA	CN	CLP	CY	CLN	CLL	LA	LAB	CAF	XCP
1	-5.39	0.02	-0.9733	2.9501	0.040E	-0.0882	-0.0103	0.8871	0.3588	0.5263	-3.0311
2	-5.40	0.01	-0.9721	2.9636	-0.0075	-0.0532	-0.0403	0.8964	0.3619	0.5345	-3.0486
3	-5.40	0.00	-0.9605	2.9722	0.0415	-0.0765	-0.0102	0.8977	0.3646	0.5329	-3.0543
4	-5.39	0.00	-0.9716	2.9763	0.0170	-0.0650	-0.0103	0.8965	0.3627	0.5338	-3.0653
5	-5.38	0.01	-0.9450	2.9722	-0.0057	-0.0222	-0.0105	0.9011	0.3551	0.5400	-3.1428
6	-5.40	0.01	-0.8812	3.9240	0.0035	-0.0073	0.0208	0.9090	0.3347	0.5653	-3.8619
7	-1.65	0.00	-0.9556	4.2220	-0.0202	-0.0292	-0.0086	0.9145	0.2952	0.6193	-4.4235
8	0.21	0.01	-0.8037	4.1064	0.0167	-0.0030	-0.0197	0.8807	0.2755	0.6131	-5.1039
9	2.07	0.00	-0.8041	4.1253	0.0153	-0.0246	-0.0192	0.8816	0.2632	0.5984	-6.2174
10	3.96	0.00	-0.5177	4.0347	0.0065	-0.0231	-0.0127	0.8254	0.2483	0.5776	-7.7939
11	5.61	0.01	-0.3251	3.8020	0.0335	-0.0042	-0.0125	0.7836	0.2385	0.5449	-11.5538
12	7.73	0.01	-0.1402	3.3566	0.0085	-0.0286	-0.0057	0.7372	0.2351	0.5021	-25.0741
13	9.55	0.00	0.0507	3.4531	-0.0298	0.0217	-0.0110	0.7085	0.2317	0.4767	68.0734
14	11.46	0.00	0.2750	3.2515	-0.0500	0.1034	-0.0045	0.6718	0.2343	0.4375	11.7975
15	13.31	0.00	0.5335	2.5731	-0.0480	0.1446	-0.0039	0.6226	0.2285	0.3941	5.5730
16	15.22	0.00	0.8011	2.0936	-0.0050	0.1695	-0.0032	0.5616	0.2174	0.3437	3.3623
17	17.19	0.00	1.1210	2.4345	-0.1293	0.3061	0.0034	0.5006	0.2152	0.2853	2.1706
18	19.12	0.01	1.4362	2.3110	-0.1405	0.4292	-0.0070	0.4405	0.2175	0.2234	1.6051
19	21.04	0.01	1.7550	2.0651	-0.2184	0.5290	-0.0128	0.3761	0.2125	0.1832	1.1540
20	22.98	0.01	2.2710	2.1061	-0.1715	0.4437	-0.0225	0.3105	0.2060	0.1045	0.5280
21	24.94	0.00	2.8221	2.3701	-0.0091	0.1522	0.0130	0.2492	0.1978	0.0514	0.8398
22	26.93	0.05	3.4364	2.7017	0.5340	-1.2260	0.0015	0.1909	0.2013	-0.0104	0.7016
23	28.92	0.05	3.8620	2.8200	0.6815	-1.3238	0.0047	0.1401	0.1985	-0.0528	0.7659
24	28.92	0.05	3.7403	2.8350	0.6149	-1.1994	0.1009	0.1375	0.2004	-0.0629	0.7592
25	28.91	0.05	3.7327	2.9618	0.6515	-1.2019	0.0690	0.1403	0.1978	-0.0573	0.7533
26	28.60	0.06	3.6673	2.8451	0.7201	-1.3401	0.1019	0.1138	0.1983	-0.0645	0.7448
27	29.11	0.06	3.9527	2.9824	0.7303	-1.2242	0.0901	0.1167	0.1968	-0.0801	0.7455
28	29.30	0.05	4.0613	3.0501	0.5526	-0.6659	0.0710	0.0930	0.1910	-0.0574	0.7628
29	29.71	0.04	4.1505	3.1166	0.5420	-0.7503	0.0703	0.0884	0.1909	-0.1025	0.7510
30	30.00	0.04	4.0405	3.1555	0.4004	-0.8422	0.0703	0.0782	0.1907	-0.1125	0.7517
31	30.28	0.05	4.3296	3.1253	0.6360	-1.0300	0.0718	0.0820	0.1900	-0.1154	0.7234
32	30.53	0.06	4.4444	3.3301	0.8934	-1.0039	0.0742	0.0843	0.1915	-0.1272	0.7562
33	30.62	0.06	4.4668	3.3057	0.7016	-1.1240	0.0920	0.0839	0.1922	-0.1233	0.7374
34	31.11	0.07	4.5040	3.4054	0.9010	-1.5522	0.0994	0.0872	0.1935	-0.1261	0.7437
35	31.36	0.05	4.6153	3.4145	0.5594	-1.1017	0.0951	0.0869	0.1909	-0.1025	0.7510
36	31.04	0.06	4.6021	3.4414	0.6160	-1.4462	0.1004	0.0805	0.1900	-0.1385	0.7349
37	31.92	0.06	4.8355	3.4964	0.7238	-1.3558	0.0997	0.0847	0.1939	-0.1592	0.7225
38	32.18	0.04	4.8010	3.7157	0.5726	-0.9117	0.0703	0.0842	0.1741	-0.1649	0.7643
39	32.45	0.05	4.5566	3.6650	0.6102	-1.1425	0.0551	0.0803	0.1804	-0.1801	0.7340
40	32.71	0.03	5.0525	3.7271	0.3536	-0.3909	0.0345	-0.0103	0.1681	-0.1784	0.7372
41	32.98	0.04	5.1322	3.6555	0.5330	-0.9766	0.0714	-0.0193	0.1689	-0.1882	0.7201
42	33.23	0.05	5.1230	3.8066	0.5384	-0.9080	0.0714	-0.0102	0.1627	-0.1809	0.7430
43	33.48	0.03	5.2393	3.8458	0.3061	-0.6091	0.0594	-0.0302	0.1638	-0.1940	0.7348
44	33.73	0.02	5.3007	3.8549	0.2320	-0.3361	0.0534	-0.0454	0.1610	-0.2070	0.7183
45	33.97	0.02	5.3666	3.9118	0.1651	-0.0368	0.0265	-0.0532	0.1559	-0.2091	0.7262
46	34.23	0.04	5.5271	3.8755	0.3308	-0.3291	0.0601	-0.0535	0.1614	-0.2109	0.7012

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH NO. 6											
1 1.00 1.7											
C.C. BINGF23 C.O. 0 -30 0 -30 UNKNOWN											
POINT	ALPHA	BETA	CN	CLM	CY	CLL	CLL	CA	CAB	CAF	XCP
47	34.48	0.02	3.8311	3.9125	0.2492	-0.2784	0.3605	-0.0632	0.1621	-0.2253	0.8949
48	34.73	0.04	3.7746	3.8405	0.4845	-0.6155	0.0016	-0.0609	0.1713	-0.2322	0.6651
49	34.98	0.05	3.6258	3.7465	0.4476	-0.4226	0.0616	-0.0765	0.1616	-0.2381	0.6417
50	35.24	0.06	3.4163	3.5553	0.4335	-0.4037	0.0613	-0.0613	0.1700	-0.2333	0.6408
51	35.48	0.05	3.0725	3.2772	0.5787	-0.5360	0.0754	-0.0692	0.1795	-0.2451	0.6385
52	35.70	0.04	2.1505	3.5205	0.3556	-0.5358	0.0751	-0.0684	0.1670	-0.2354	0.6375
53	35.97	0.04	2.2802	3.5434	0.4678	-0.5626	0.0757	-0.0734	0.1645	-0.2379	0.6299
54	36.21	0.04	0.4214	4.0371	0.5461	-0.6711	0.0766	-0.0839	0.1637	-0.2476	0.6288
55	36.43	0.05	6.5152	3.5710	0.5750	-0.6520	0.0770	-0.0850	0.1691	-0.2541	0.6054
56	36.68	0.05	0.5642	3.6601	0.6466	-1.0404	0.0694	-0.0655	0.1680	-0.2535	0.5862
57	36.91	0.06	6.6252	3.5857	0.6554	-1.0804	0.1315	-0.0545	0.1622	-0.2567	0.6012
58	37.13	0.04	0.2757	3.5805	0.5551	-0.7505	0.0773	-0.1132	0.1494	-0.2625	0.5960
59	37.40	0.04	6.7557	4.0555	0.5046	-0.6360	0.0346	-0.1203	0.1534	-0.2736	0.6033
60	37.63	0.05	0.4376	3.9018	0.6244	-0.9801	0.1034	-0.1144	0.1553	-0.2656	0.5624
61	37.85	0.04	7.0619	3.9241	0.4515	-0.6214	0.0855	-0.1436	0.1468	-0.2502	0.5541
62	38.10	0.04	7.1052	4.0721	0.5125	-0.6813	0.0676	-0.1495	0.1490	-0.2585	0.5731
63	38.31	0.02	7.0253	4.0207	0.2853	-0.4583	0.0546	-0.1453	0.1423	-0.2875	0.5605
64	38.56	0.03	7.3146	3.5507	0.3941	-0.7304	0.0623	-0.1452	0.1447	-0.2699	0.5405
65	38.80	0.05	7.4203	3.5856	0.5632	-0.6674	0.0929	-0.1348	0.1532	-0.2879	0.5377
66	39.02	0.04	7.4742	4.0371	0.4455	-0.6344	0.0670	-0.1398	0.1402	-0.2759	0.5401
67	39.23	0.04	7.5566	3.5601	0.4526	-0.7555	0.0312	-0.1618	0.1344	-0.2962	0.5241
68	39.46	0.05	7.6671	4.0037	0.6561	-1.1527	0.0623	-0.1556	0.1371	-0.2927	0.5208
69	39.68	0.04	7.7374	4.0235	0.5273	-0.6533	0.0940	-0.1532	0.1409	-0.2541	0.5201
70	39.87	0.04	7.7674	4.0310	0.5210	-0.6461	0.0704	-0.1533	0.1344	-0.2881	0.5176
71	40.10	0.03	7.9153	3.8761	0.4023	-0.7754	0.0586	-0.1602	0.1500	-0.3002	0.4897
72	40.31	0.03	7.9665	4.0706	0.3776	-0.7726	0.0530	-0.1663	0.1290	-0.2953	0.5108
73	40.50	0.04	7.9625	4.0667	0.4328	-0.6555	0.0708	-0.1636	0.1296	-0.2932	0.5122
74	40.71	0.02	0.1404	3.5965	0.3565	-0.6895	0.0534	-0.1715	0.1274	-0.2965	0.4910
75	40.91	0.02	6.1435	4.0565	0.3757	-0.7755	0.0477	-0.1811	0.1354	-0.3165	0.5031
76	41.15	0.04	0.3771	3.6705	0.4547	-0.1747	0.0626	-0.1740	0.1454	-0.3174	0.4654
77	41.33	0.04	8.2761	3.5756	0.4606	-0.2573	0.0826	-0.1751	0.1303	-0.3054	0.4808
78	41.53	0.02	0.3952	4.1066	0.3434	-0.5207	0.0542	-0.1924	0.1352	-0.3261	0.4892
79	41.75	0.03	6.4552	4.0667	0.4665	-0.5553	0.0666	-0.2060	0.1237	-0.3297	0.4811
80	41.94	0.00	6.6410	4.0044	0.4372	-0.5705	0.0491	-0.2067	0.1260	-0.3347	0.4634
81	42.13	0.01	6.5502	4.0745	0.3404	-0.7354	0.0433	-0.2154	0.1253	-0.3407	0.4763
82	42.32	0.01	0.6725	4.0527	0.3183	-0.6545	0.0436	-0.2159	0.1253	-0.3412	0.4673
83	42.51	0.02	8.6214	4.2757	0.3318	-0.3435	0.0609	-0.2216	0.1179	-0.3393	0.4564
84	42.70	0.02	0.6511	4.0660	0.3555	-0.3275	0.0670	-0.2135	0.1284	-0.3419	0.4678
85	42.89	0.01	8.9362	3.5456	0.1877	-0.0136	0.0609	-0.2165	0.1320	-0.3485	0.4415
86	43.08	0.02	6.5315	4.1255	0.4532	-0.4562	0.0451	-0.2267	0.1232	-0.3519	0.4617
87	43.23	0.02	2.5276	4.0681	0.2740	-0.2301	0.0659	-0.2138	0.1301	-0.3439	0.4557
88	43.43	0.03	5.1312	4.2426	0.2752	-0.2507	0.0600	-0.2224	0.1305	-0.3524	0.4646
89	43.62	0.01	5.1054	4.1505	0.1675	-0.1174	0.0614	-0.2255	0.1232	-0.3487	0.4601
90	43.78	0.01	4.3675	4.2675	0.2661	-0.1676	0.0594	-0.2302	0.1216	-0.3520	0.4707
91	43.96	0.01	9.2014	4.2332	0.2801	-0.7110	0.0556	-0.2420	0.1184	-0.3604	0.4598
92	44.15	0.01	4.2676	4.2255	0.1776	-0.0555	0.0505	-0.2132	0.1265	-0.3397	0.4564

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MAC	FX	FXC-E	Ph	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	126	1.00	1.7	C.C	0.100F23	C.0	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CN	CLP	CY	CLA	CLL	CA	CAH	CAF	XCP
93	44.31	0.01	9.15E3	4.41E3	0.2330	-0.3132	0.0514	-0.2366	0.1126	-0.3512	0.4801
94	44.52	0.00	9.5177	4.6041	0.3061	-0.0655	0.0469	-0.2322	0.1290	-0.3642	0.4270
95	44.65	0.01	9.4424	4.3243	0.4203	-1.0534	0.0415	-0.2369	0.1267	-0.3636	0.4562
96	44.88	-0.00	9.6103	4.15E3	0.2138	-0.3887	0.0470	-0.2362	0.1271	-0.3633	0.4368
97	45.05	0.00	9.5542	4.2734	0.3057	-0.5462	0.0471	-0.2354	0.1279	-0.3613	0.4462
98	45.24	0.00	9.6705	4.2547	0.2747	-0.2750	0.0474	-0.2470	0.1265	-0.3755	0.4400
99	45.41	0.00	9.5721	4.221E	0.2500	-0.1557	0.0524	-0.2423	0.1290	-0.3713	0.4470
100	45.55	0.00	9.6527	4.3225	0.2464	-0.1035	0.0527	-0.2515	0.1295	-0.3810	0.4460
101	45.77	-0.00	9.7660	4.3610	0.2865	-0.4576	0.0480	-0.2424	0.1336	-0.3760	0.4465
102	45.94	0.01	9.7571	4.4455	0.3556	-0.3645	0.0479	-0.2468	0.1305	-0.3773	0.4560
103	46.11	-0.00	9.8347	4.4301	0.1058	0.6272	0.0507	-0.2435	0.1347	-0.3762	0.4505
104	46.31	0.01	9.9554	4.4625	0.2465	0.1433	0.0528	-0.2459	0.1369	-0.3828	0.4488
105	46.47	0.01	9.9856	4.531E	0.2621	0.2228	0.0527	-0.2085	0.1551	-0.3680	0.4547
106	46.60	-0.00	9.6445	4.4756	0.2721	0.4245	0.0514	-0.1933	0.1667	-0.3620	0.4550
107	46.83	-0.01	10.1454	4.2747	0.2184	0.1138	0.0477	-0.2337	0.1775	-0.4112	0.4212
108	47.00	-0.00	10.2403	3.9303	0.2473	0.1524	0.0474	-0.2159	0.1910	-0.4009	0.3838
109	47.15	0.02	10.1753	3.62E3	0.5125	0.2164	0.0525	-0.1966	0.2280	-0.4246	0.3564
110	47.33	0.02	10.3737	3.1150	0.4612	0.1103	0.0474	-0.1756	0.2402	-0.4100	0.3007
111	47.53	0.01	10.5670	2.4773	0.3106	0.7163	0.0336	-0.1326	0.2903	-0.4228	0.2340
112	47.70	0.01	10.6045	2.6373	0.3566	0.3752	0.0470	-0.1723	0.2843	-0.4566	0.2676
113	47.86	0.02	10.676E	2.41E4	0.3751	1.0062	0.0205	-0.1306	0.2952	-0.4257	0.2263
114	48.02	0.03	10.7647	2.1010	0.4528	1.3430	0.0375	-0.0680	0.3025	-0.4054	0.1549
115	48.23	0.03	11.0411	1.6556	0.3235	1.5512	-0.0001	-0.1255	0.2909	-0.4163	0.1539
116	48.40	0.04	11.16E5	1.5071	0.4543	1.6477	0.0007	-0.1071	0.3047	-0.4117	0.1419
117	48.57	0.05	11.1671	1.4863	0.4015	2.0525	0.0	-0.1022	0.3127	-0.4148	0.1329
118	48.74	0.05	11.4155	1.3473	0.3751	1.6428	0.0375	-0.0938	0.3104	-0.4042	0.1180
119	48.91	0.03	11.4552	1.5224	0.3647	1.5654	0.0373	-0.1054	0.3012	-0.4065	0.1325
120	49.05	0.04	11.4757	1.4060	0.4478	1.9742	0.0313	-0.1052	0.3050	-0.4101	0.1225
121	49.26	0.02	11.5377	1.5454	0.3485	2.0041	0.0376	-0.1404	0.2877	-0.4281	0.1343
122	49.44	0.03	11.6340	1.3020	0.3366	2.0192	0.0138	-0.1249	0.2835	-0.4008	0.1171
123	49.63	0.02	11.7711	1.2025	0.3335	1.5647	0.0364	-0.1557	0.2675	-0.4236	0.1022
124	49.82	0.02	11.6671	1.1430	0.2660	2.0293	0.0204	-0.1419	0.2601	-0.4220	0.0563
125	49.98	0.02	11.6634	1.1175	0.2685	1.9261	0.0259	-0.1576	0.2754	-0.4320	0.0541
126	50.15	0.02	12.1211	0.6511	0.3000	1.8020	0.0215	-0.1346	0.2643	-0.4191	0.0570
127	50.33	0.03	12.1317	0.6580	0.3728	1.7756	0.0276	-0.1347	0.2535	-0.4261	0.0575
128	50.53	0.02	12.3731	0.2271	0.2535	1.6700	0.0266	-0.1419	0.2435	-0.4357	0.0184
129	50.70	0.03	12.6203	-0.2648	0.4522	1.3818	0.0479	-0.1285	0.3056	-0.4340	-0.0210
130	50.86	0.01	12.3644	0.1542	0.1650	1.5640	0.0353	-0.1433	0.2965	-0.4357	0.0157
131	51.03	0.02	12.5916	-0.2035	0.3771	1.1523	0.0431	-0.1066	0.3026	-0.4111	-0.0162
132	51.20	0.01	12.3176	0.3544	0.2657	1.1525	0.0427	-0.1404	0.2786	-0.4250	0.0288
133	51.39	0.03	12.7172	-0.4356	0.5058	1.0084	0.0436	-0.1170	0.3041	-0.4210	-0.0346
134	51.57	0.01	12.7046	-0.3554	0.2553	1.0709	0.0380	-0.1220	0.2980	-0.4195	-0.0280
135	51.65	-0.00	11.5156	1.1434	0.2275	0.8526	0.0372	-0.1462	0.2737	-0.4219	0.0560
136	51.89	0.01	12.3644	0.1565	0.3377	0.8014	0.0434	-0.1207	0.2778	-0.3965	0.0159
137	52.03	-0.00	12.1565	0.6E34	0.2580	0.7703	0.0383	-0.1407	0.2664	-0.4265	0.0560
138	52.23	0.01	12.4210	0.2666	0.3071	0.6595	0.0369	-0.1255	0.2896	-0.4150	0.0216

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	XX10 ⁻⁶	PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		1.00	1.7	0.0	0.100F23	0.0	0	-30	0	-30	UNKNOWN
PLINT	ALPHA	BETA	CN	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP
139	52.40	0.00	12.5785	0.0092	0.2571	0.7859	0.0391	-0.1070	0.2511	-0.3580	0.0004
140	52.58	0.01	12.6500	-0.1025	0.2419	0.9332	0.0440	-0.1127	0.3035	-0.4161	-0.0081
141	52.72	-0.01	12.5364	0.1247	0.2052	0.7635	0.0335	-0.1128	0.2840	-0.3568	0.0055
142	52.87	-0.01	12.3765	0.4456	0.1371	0.8213	0.0309	-0.1073	0.2010	-0.3083	0.0363
143	53.05	-0.00	12.3845	0.4450	0.2700	0.6284	0.0336	-0.1116	0.2731	-0.3847	0.0359
144	53.21	-0.01	12.3135	0.5075	0.1075	0.6774	0.0335	-0.1210	0.2802	-0.4012	0.0477
145	53.36	0.00	12.3005	0.6055	0.3165	0.6858	0.0273	-0.1263	0.2689	-0.3572	0.0496
146	53.54	-0.03	12.3450	0.5050	0.0203	0.7134	0.0338	-0.1100	0.2010	-0.3476	0.0470
147	53.71	-0.01	12.5261	0.2627	0.1865	0.5502	0.0206	-0.1301	0.2733	-0.4034	0.0210
148	53.87	-0.01	12.5910	0.1270	0.2235	0.5050	0.0200	-0.1071	0.2995	-0.4005	0.0102
149	54.02	-0.02	12.7000	-0.0576	0.1151	0.6251	0.0205	-0.1002	0.2905	-0.3566	-0.0077
150	54.16	-0.02	12.5110	0.0345	0.1272	0.6032	0.0340	-0.1140	0.2657	-0.3797	0.0515
151	54.33	-0.02	12.4347	0.4231	0.1372	0.5632	0.0343	-0.1352	0.2713	-0.4105	0.0340
152	54.52	-0.01	12.6515	0.0345	0.1002	0.6024	0.0204	-0.1378	0.2902	-0.4279	0.0028
153	54.71	-0.01	12.6444	-0.0177	0.1562	0.7416	0.0205	-0.1378	0.3058	-0.4435	-0.0247
154	54.85	-0.02	12.5085	0.2433	0.1158	0.6278	0.0200	-0.1393	0.2030	-0.4229	0.0154
155	55.02	0.00	12.7363	-0.1713	0.3486	0.5848	0.0207	-0.1151	0.3095	-0.4245	-0.0134
156	55.18	-0.02	12.7112	-0.1031	0.0350	0.5520	0.0292	-0.1204	0.3137	-0.4420	-0.0061
157	55.35	-0.01	12.6610	-0.4055	0.2548	0.4321	0.0257	-0.1223	0.3176	-0.4356	-0.0315
158	55.40	-0.01	12.6351	0.0554	0.0535	0.6091	0.0227	-0.1296	0.3090	-0.4391	0.0044
159	55.62	-0.01	12.6526	0.0656	0.2335	0.5053	0.0291	-0.1125	0.3180	-0.4304	0.0068
160	55.79	-0.02	12.8417	-0.4831	0.0305	0.5534	0.0239	-0.1220	0.3200	-0.4405	-0.0375
161	55.97	-0.03	12.5935	-0.6178	-0.00365	0.5003	0.0242	-0.1227	0.3336	-0.4562	-0.0675
162	56.11	-0.00	12.6107	-0.2755	0.2020	0.4705	0.0294	-0.1419	0.3275	-0.4493	-0.0215
163	56.32	-0.04	12.2225	-1.2050	-0.0055	0.3649	0.0313	-0.1200	0.3532	-0.4731	-0.0911
164	56.43	-0.05	12.6022	-0.3003	-0.0180	0.4304	0.0185	-0.1302	0.3513	-0.4814	-0.0250
165	56.63	-0.03	13.2340	-1.2055	0.0311	0.4303	0.0252	-0.1074	0.3470	-0.4543	-0.0911
166	56.80	-0.04	13.3044	-1.0745	-0.0108	0.2130	0.0321	-0.1163	0.3120	-0.5209	-0.1020
167	56.92	-0.08	13.0344	-0.6572	-0.4154	-0.0103	0.0316	-0.2273	0.3032	-0.5305	-0.0504
168	57.13	-0.02	13.0000	-2.0363	0.2312	-0.4135	0.0403	-0.2463	0.3140	-0.5603	-0.1718
169	57.29	-0.06	13.6905	-2.0100	-0.2004	-0.7026	0.0561	-0.2045	0.3073	-0.5118	-0.1468
170	57.44	-0.00	13.6700	-2.0405	-0.1940	-0.2387	0.0337	-0.1677	0.3354	-0.5071	-0.1497
171	57.59	-0.10	13.8950	-2.4400	-0.4546	-0.4030	0.0339	-0.1739	0.3437	-0.5176	-0.1762
172	57.65	-0.06	13.1042	-1.0701	-0.2104	-0.0514	0.0323	-0.1572	0.3420	-0.4992	-0.0817
173	57.87	-0.10	13.6455	-2.1152	-0.3454	-0.1655	0.0271	-0.2141	0.3258	-0.5355	-0.1550
174	58.02	-0.00	13.7474	-2.0128	-0.1424	0.1520	0.0391	-0.1600	0.3311	-0.5197	-0.1828
175	58.19	-0.10	14.0317	-3.1550	-0.4301	-0.0588	0.0395	-0.1977	0.3439	-0.5418	-0.2277
176	58.31	-0.12	13.6357	-2.3520	-0.7051	-0.2000	0.0210	-0.2104	0.3070	-0.5174	-0.1755
177	58.49	-0.07	14.0440	-3.1753	-0.3453	0.0305	0.0330	-0.2334	0.3198	-0.5732	-0.2261
178	58.60	-0.04	13.5354	-2.9302	0.0455	-0.0148	0.0455	-0.2333	0.3447	-0.5800	-0.2103

PAGE 2 OF 3
SHEET 1 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACF RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 120 1.00 1.1			0.0	0.100F23	C.C	0	-30	0	-30	UNKNOWN		
PLINT	ALPHA	BETA	CNF1	Cn1	CB1	XCFF1	YCFF1	CNF2	CN2	CB2	XCFF2	YCFF2
1	-5.39	0.02	-0.1053	-0.0048	0.0407	0.0458	-0.3868	-0.8323	-0.0193	-0.4676	0.0232	0.5618
2	-5.40	0.01	-0.0913	-0.0030	0.0454	0.0326	-0.4479	-0.8295	-0.0167	-0.4765	0.0226	0.5672
3	-5.40	0.00	-0.1075	-0.0044	0.0403	0.0411	-0.3757	-0.8390	-0.0187	-0.4686	0.0223	0.5586
4	-5.39	0.00	-0.0868	-0.0026	0.0446	0.0293	-0.5043	-0.8406	-0.0177	-0.4726	0.0210	0.5622
5	-5.38	-0.01	-0.0964	-0.0033	0.0436	0.0333	-0.4431	-0.8323	-0.0167	-0.4751	0.0225	0.5766
6	-5.40	0.01	-0.0834	-0.0011	0.0453	0.0126	-0.5402	-1.0084	-0.0110	-0.5497	0.0106	0.5244
7	-1.85	0.00	-0.0861	-0.0004	0.0421	0.0045	-0.4886	-1.1047	-0.0107	-0.5840	0.0097	0.5287
8	0.21	0.01	-0.0633	0.0	0.0393	0.0	-0.4716	-1.0671	-0.0166	-0.5640	0.0156	0.5285
9	2.07	0.00	-0.0653	-0.0037	0.0341	-0.0430	-0.3993	-1.0483	-0.0241	-0.5478	0.0236	0.5225
10	3.96	0.00	-0.0634	-0.0041	0.0374	-0.0406	-0.4491	-0.9958	-0.0335	-0.5261	0.0336	0.5203
11	5.81	0.01	-0.1062	-0.0030	0.0406	0.0036	-0.3773	-0.9076	-0.0375	-0.4815	0.0413	0.5303
12	7.73	0.01	-0.1032	-0.0011	0.0413	0.0163	-0.4000	-0.8231	-0.0402	-0.4265	0.0485	0.5181
13	9.55	-0.00	-0.0845	-0.0014	0.0477	-0.0171	-0.5635	-0.7428	-0.0467	-0.4005	0.0548	0.5352
14	11.46	0.00	-0.0695	0.0	0.0491	0.0	-0.5465	-0.8197	-0.0348	-0.3676	0.0562	0.5932
15	13.31	-0.00	-0.1136	-0.0033	0.0464	0.0206	-0.4360	-0.7462	-0.0268	-0.3214	0.0536	0.6452
16	15.22	0.00	-0.1063	-0.0035	0.0400	0.0317	-0.4316	-0.7367	-0.0194	-0.2760	0.0538	0.7463
17	17.14	-0.00	-0.1225	-0.0136	0.0426	0.1110	-0.3472	-0.7236	-0.0096	-0.2213	0.0417	0.9558
18	19.12	-0.01	-0.1733	-0.0235	0.0186	0.1361	-0.1075	-0.1073	0.0011	-0.1605	-0.0065	1.4555
19	21.04	-0.01	-0.1561	-0.0264	0.0055	0.1447	-0.0281	0.0014	0.0062	-0.1054	0.5714	-77.9555
20	22.96	-0.01	-0.2226	-0.0156	-0.0216	0.0710	0.0970	0.0909	0.0191	-0.0517	0.1444	-0.5650
21	24.94	0.00	-0.0074	0.0000	0.0404	-0.0114	-0.7162	0.1836	0.0225	-0.0118	0.1244	-0.0640
22	26.93	0.00	0.0033	0.0401	0.2203	0.1511	0.7411	0.3003	0.0357	0.0407	0.1157	0.1320
23	28.92	0.00	0.0570	0.0532	0.2572	0.1418	0.6859	0.3638	0.0422	0.0723	0.1155	0.1987
24	28.92	0.00	0.0570	0.0532	0.2572	0.1418	0.6859	0.3638	0.0422	0.0723	0.1155	0.1987
25	28.92	0.00	0.0570	0.0532	0.2572	0.1418	0.6859	0.3638	0.0422	0.0723	0.1155	0.1987
26	28.92	0.00	0.0570	0.0532	0.2572	0.1418	0.6859	0.3638	0.0422	0.0723	0.1155	0.1987
27	29.11	0.00	0.0375	0.0500	0.2525	0.1326	0.7711	0.3909	0.0466	0.0688	0.1157	0.2271
28	29.38	0.00	0.0322	0.0385	0.2048	0.1630	0.6804	0.3804	0.0406	0.0814	0.1225	0.2141
29	29.71	0.04	0.2455	0.0365	0.2166	0.1565	0.6815	0.3956	0.0453	0.0989	0.1246	0.2499
30	30.00	0.04	0.2416	0.0330	0.2166	0.1613	0.6974	0.4103	0.0494	0.1024	0.1216	0.2455
31	30.28	0.05	0.2161	0.0330	0.2057	0.1513	0.6615	0.4238	0.0515	0.1089	0.1216	0.2572
32	30.53	0.06	0.2639	0.0416	0.2162	0.1576	0.6194	0.4450	0.0526	0.1172	0.1162	0.2634
33	30.82	0.06	0.3159	0.0436	0.2433	0.1370	0.7606	0.4395	0.0525	0.1167	0.1203	0.2636
34	31.11	0.07	0.3526	0.0402	0.2577	0.1368	0.7310	0.4502	0.0532	0.1220	0.1181	0.2706
35	31.36	0.05	0.3156	0.0475	0.2447	0.1466	0.7657	0.4662	0.0542	0.1287	0.1163	0.2761
36	31.64	0.06	0.3700	0.0503	0.2445	0.1334	0.7147	0.4764	0.0552	0.1285	0.1154	0.2655
37	31.92	0.06	0.3377	0.0487	0.2451	0.1443	0.7257	0.4943	0.0565	0.1378	0.1144	0.2787
38	32.18	0.04	0.2413	0.0435	0.2024	0.1619	0.6404	0.4968	0.0571	0.1423	0.1150	0.2665
39	32.45	0.05	0.2326	0.0403	0.1543	0.1742	0.8353	0.4941	0.0574	0.1411	0.1162	0.2655
40	32.71	0.03	0.0000	0.0306	0.1183	0.3453	1.3355	0.5219	0.0560	0.1474	0.1131	0.2834
41	32.96	0.04	0.2272	0.0402	0.1802	0.1771	0.7932	0.5163	0.0593	0.1496	0.1149	0.2857
42	33.23	0.03	0.2030	0.0350	0.1525	0.1515	0.7316	0.5218	0.0601	0.1479	0.1152	0.2635
43	33.48	0.03	0.1658	0.0310	0.1561	0.1667	0.8401	0.5242	0.0615	0.1524	0.1172	0.2908
44	33.73	0.02	0.0021	0.0112	0.0603	0.3005	0.6332	0.5267	0.0637	0.1545	0.1209	0.2540
45	33.97	0.02	0.0278	0.0002	0.0753	0.2951	2.7166	0.5363	0.0638	0.1593	0.1185	0.2555
46	34.23	0.04	0.0000	0.0078	0.1118	0.0863	1.2343	0.5382	0.0645	0.1604	0.1195	0.2506

PAGE 2 OF 3
SHEET 2 OF 4

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART MACH 0.8				Mach		CONF		DEL1	DEL2	DEL3	DEL4	TRANSITION
1 1.0 1.00 1.7				C.C. 0.10CF23		C.C.		0	-30	0	-30	UNKNOWN
FLINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
67	34.48	0.02	0.1085	0.0142	0.1393	0.0852	0.8366	0.5330	0.0644	0.1556	0.1207	0.2920
68	34.73	0.04	0.1038	0.0088	0.1451	0.0407	0.7895	0.5302	0.0649	0.1552	0.1211	0.2566
69	34.98	0.05	0.1047	0.0050	0.1375	0.0545	0.8371	0.5469	0.0649	0.1645	0.1187	0.3008
70	35.24	0.06	0.2540	0.0105	0.1751	0.0647	0.8395	0.5503	0.0650	0.1662	0.1192	0.3056
71	35.46	0.05	0.2641	0.0150	0.1756	0.0506	0.8799	0.5497	0.0655	0.1660	0.1192	0.3056
72	35.70	0.04	0.2071	0.0074	0.1542	0.0359	0.7009	0.5445	0.0603	0.1713	0.1206	0.3117
73	35.97	0.04	0.1475	0.0080	0.1322	0.0406	0.8903	0.5704	0.0665	0.1804	0.1165	0.3163
74	36.21	0.04	0.2760	0.0150	0.1610	0.0342	0.8087	0.5759	0.0662	0.1809	0.1145	0.3141
75	36.43	0.05	0.2781	0.0100	0.1588	0.0464	0.7346	0.6067	0.0663	0.1939	0.1053	0.3157
76	36.66	0.05	0.3157	0.0175	0.2030	0.0540	0.8351	0.6005	0.0672	0.1961	0.1107	0.3233
77	36.91	0.06	0.2485	0.0145	0.1763	0.0598	0.7092	0.6011	0.0691	0.1913	0.1149	0.3183
78	37.13	0.04	0.2440	0.0145	0.1653	0.0605	0.6939	0.6055	0.0658	0.1959	0.1152	0.3235
79	37.40	0.04	0.2352	0.0112	0.1618	0.0476	0.6879	0.6028	0.0706	0.1946	0.1175	0.3225
80	37.63	0.05	0.2440	0.0112	0.1712	0.0455	0.7015	0.6216	0.0705	0.2016	0.1135	0.3243
81	37.85	0.04	0.2510	0.0070	0.1735	0.0281	0.6913	0.5627	0.0727	0.1916	0.1247	0.3289
82	38.10	0.04	0.2070	0.0070	0.1404	0.0376	0.6701	0.6197	0.0726	0.2032	0.1171	0.3275
83	38.31	0.02	0.1940	0.0065	0.1273	0.0457	0.6559	0.6028	0.0725	0.1951	0.1210	0.3237
84	38.56	0.03	0.1965	0.0111	0.1256	0.0505	0.6392	0.6050	0.0725	0.2019	0.1192	0.3322
85	38.80	0.05	0.2368	0.0123	0.1617	0.0474	0.6249	0.5645	0.0719	0.1858	0.1272	0.3360
86	39.02	0.04	0.2441	0.0111	0.1570	0.0455	0.6402	0.5676	0.0731	0.1879	0.1284	0.3298
87	39.23	0.04	0.1982	0.0098	0.1307	0.0407	0.6597	0.5600	0.0745	0.1952	0.1284	0.3365
88	39.46	0.05	0.2305	0.0154	0.1462	0.0691	0.6342	0.5824	0.0739	0.1978	0.1263	0.3375
89	39.68	0.04	0.2467	0.0155	0.1552	0.0630	0.6293	0.5600	0.0746	0.1952	0.1285	0.3385
90	39.87	0.04	0.1974	0.0100	0.1321	0.0841	0.6691	0.6054	0.0762	0.2025	0.1258	0.3342
91	40.10	0.03	0.1885	0.0172	0.1208	0.0540	0.6394	0.6306	0.0757	0.2142	0.1202	0.3400
92	40.31	0.03	0.1837	0.0177	0.1212	0.0601	0.6597	0.6346	0.0761	0.2133	0.1200	0.3362
93	40.50	0.04	0.2070	0.0155	0.1286	0.0560	0.6224	0.6202	0.0774	0.2087	0.1248	0.3365
94	40.71	0.02	0.1710	0.0177	0.1107	0.1024	0.6796	0.6468	0.0769	0.2227	0.1189	0.3443
95	40.91	0.02	0.1457	0.0166	0.0964	0.1105	0.6441	0.6442	0.0763	0.2213	0.1185	0.3436
96	41.15	0.04	0.1736	0.0154	0.1215	0.0809	0.7021	0.6195	0.0790	0.2130	0.1275	0.3437
97	41.33	0.04	0.1853	0.0154	0.1317	0.0815	0.6557	0.5925	0.0800	0.1978	0.1350	0.3338
98	41.53	0.02	0.1204	0.0154	0.0844	0.1252	0.6674	0.6459	0.0770	0.2235	0.1192	0.3460
99	41.75	0.03	0.1255	0.0147	0.0562	0.1125	0.7407	0.6539	0.0773	0.2241	0.1182	0.3428
100	41.94	0.00	0.1240	0.0151	0.0641	0.1214	0.6786	0.6006	0.0773	0.2243	0.1177	0.3417
101	42.15	0.01	0.1213	0.0140	0.0866	0.1154	0.7160	0.6566	0.0770	0.2243	0.1173	0.3417
102	42.32	0.01	0.1033	0.0148	0.0710	0.1426	0.6915	0.6573	0.0774	0.2267	0.1177	0.3450
103	42.51	0.02	0.1008	0.0130	0.0731	0.1349	0.7254	0.6192	0.0770	0.2105	0.1244	0.3400
104	42.70	0.02	0.1137	0.0090	0.0511	0.0640	0.6014	0.6011	0.0784	0.2018	0.1305	0.3356
105	42.85	0.01	0.0925	0.0125	0.0740	0.1273	0.7512	0.6337	0.0780	0.2175	0.1230	0.3432
106	43.00	0.02	0.0549	0.0062	0.0380	0.1745	0.6241	0.6630	0.0769	0.2299	0.1150	0.3435
107	43.23	0.02	0.0558	0.0037	0.0058	0.0057	1.1799	0.5726	0.0780	0.1878	0.1362	0.3276
108	43.43	0.03	0.0635	0.0037	0.0045	0.0075	1.0163	0.5913	0.0775	0.1958	0.1310	0.3311
109	43.62	0.01	0.0563	0.0022	0.0655	0.0381	1.1308	0.5620	0.0775	0.1826	0.1379	0.3250
110	43.80	0.01	0.0572	0.0055	0.0536	0.1024	0.9354	0.6242	0.0764	0.2072	0.1224	0.3319
111	43.96	0.01	0.0718	0.0085	0.0542	0.1163	0.7556	0.6269	0.0764	0.2073	0.1219	0.3308
112	44.15	0.01	0.0531	0.0026	0.0554	0.0430	0.9096	0.5839	0.0775	0.1921	0.1327	0.3290

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER/ASCC

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH XXIC-6			PHI CONF		L		CELL	DEL2	DEL3	DEL4	TRANSITION	
1 120 1.00 1.7			C.C BINGF23		0.0		0	-30	0	-30	UNKNOWN	
FLINT	ALPHA	BETA	CONF1	CONF2	CONF3	ACPF1	YCPF1	CONF2	CONF3	CONF4	XCPF2	YCPF2
139	52.40	0.00	C.0114	C.0025	C.0044	C.2203	0.3898	0.6772	0.3472	0.1829	0.0697	0.2701
140	52.56	0.01	C.0060	C.0025	C.0030	C.4200	0.4425	0.7010	0.0475	0.1545	0.0677	0.2773
141	52.72	-0.01	C.0114	C.0025	C.0045	C.2542	0.3983	0.6978	0.0480	0.1951	0.0687	0.2798
142	52.87	-0.01	C.0042	C.0025	C.0030	0.3158	0.3474	0.6823	0.0477	0.1804	0.0695	0.2732
143	53.05	-0.00	C.0020	C.0037	C.0041	0.5568	0.6176	0.6824	0.0461	0.1864	0.0676	0.2732
144	53.21	-0.01	C.0027	C.0025	C.0040	0.3708	0.5442	0.6928	0.0460	0.1804	0.0642	0.2720
145	53.36	0.00	C.0027	C.0025	C.0040	0.3708	0.5442	0.7120	0.0472	0.1864	0.0663	0.2759
146	53.54	-0.03	C.0060	C.0025	C.0030	0.3824	0.7047	0.6944	0.0462	0.1858	0.0666	0.2733
147	53.71	-0.01	C.0015	C.0022	C.0065	1.4375	4.1875	0.6743	0.0447	0.1788	0.0662	0.2651
148	53.87	-0.01	C.0015	C.0025	C.0033	-0.0000	-0.8000	0.7103	0.0452	0.1970	0.0630	0.2751
149	54.02	-0.02	C.0075	C.0025	C.0045	-0.3655	-0.5732	0.6954	0.0444	0.1885	0.0638	0.2717
150	54.16	-0.02	C.0050	C.0022	C.0038	-0.3900	-1.0345	0.7058	0.0454	0.1940	0.0644	0.2745
151	54.35	-0.02	C.0033	C.0025	C.0060	-0.7047	-1.3235	0.7120	0.0455	0.1947	0.0625	0.2735
152	54.52	-0.01	C.0013	C.0025	C.0034	-2.3077	-7.4015	0.6952	0.0435	0.1861	0.0626	0.2677
153	54.71	-0.01	C.0017	C.0025	C.0073	-0.2342	-0.6647	0.6984	0.0453	0.1858	0.0649	0.2718
154	54.85	-0.02	C.0013	C.0025	C.0061	-0.1920	-0.4007	0.6901	0.0427	0.1863	0.0614	0.2677
155	55.02	-0.00	C.0015	C.0022	C.0066	-0.1243	-0.3676	0.6916	0.0421	0.1856	0.0608	0.2684
156	55.18	-0.02	C.0013	C.0025	C.0030	-0.1579	-0.5263	0.6891	0.0421	0.1823	0.0610	0.2645
157	55.35	-0.01	C.0018	C.0022	C.0068	-0.1223	-0.4734	0.6942	0.0429	0.1859	0.0618	0.2678
158	55.48	-0.01	C.0026	C.0025	C.0038	-0.0901	-0.3849	0.6811	0.0410	0.1837	0.0602	0.2697
159	55.62	-0.01	C.0034	C.0025	C.0034	-0.0532	-0.3079	0.6820	0.0405	0.1818	0.0584	0.2686
160	55.79	-0.02	C.0048	C.0022	C.0038	-0.0637	-0.1662	0.6953	0.0400	0.1850	0.0587	0.2660
161	55.97	-0.03	C.0035	C.0022	C.0010	-0.0674	-0.3079	0.7031	0.0400	0.1855	0.0570	0.2701
162	56.11	-0.00	C.0024	C.0025	C.0027	-0.0804	-0.4490	0.6821	0.0395	0.1818	0.0579	0.2665
163	56.32	-0.04	C.0035	C.0022	C.0015	-0.0625	-0.3342	0.6808	0.0407	0.1847	0.0558	0.2713
164	56.43	-0.03	C.0035	C.0025	C.0015	-0.0707	-0.3442	0.7022	0.0395	0.1896	0.0554	0.2700
165	56.63	-0.03	C.0043	C.0025	C.0034	-0.0714	-0.3310	0.6898	0.0396	0.1861	0.0574	0.2698
166	56.80	-0.04	C.0048	C.0022	C.0013	-0.0510	-0.3063	0.6840	0.0370	0.1833	0.0540	0.2680
167	56.92	-0.06	C.0048	C.0025	C.0015	-0.0713	-0.3563	0.6787	0.0367	0.1828	0.0540	0.2654
168	57.13	-0.02	C.0050	C.0014	C.0002	-0.0245	-0.1384	0.7044	0.0371	0.1915	0.0524	0.2700
169	57.29	-0.08	C.0053	C.0022	C.0035	-0.0490	-0.3070	0.7199	0.0371	0.1945	0.0516	0.2702
170	57.44	-0.08	C.0049	C.0022	C.0024	-0.0445	-0.2476	0.6776	0.0379	0.1837	0.0506	0.2711
171	57.59	-0.10	C.0040	C.0022	C.0015	-0.0546	-0.3777	0.7122	0.0361	0.1908	0.0507	0.2678
172	57.84	-0.06	C.0041	C.0014	C.0008	-0.0207	-0.1522	0.6863	0.0360	0.1772	0.0545	0.2660
173	57.87	-0.10	C.0048	C.0021	C.00124	-0.0426	-0.2481	0.7292	0.0371	0.2015	0.0508	0.2763
174	58.02	-0.06	C.0048	C.0010	C.00123	-0.0360	-0.2401	0.7075	0.0363	0.1932	0.0513	0.2730
175	58.19	-0.10	C.0053	C.0018	C.0055	-0.0324	-0.1572	0.7247	0.0365	0.2018	0.0503	0.2784
176	58.31	-0.12	C.0042	C.0016	C.0057	-0.0330	-0.1797	0.7400	0.0340	0.2031	0.0408	0.2770
177	58.45	-0.07	C.0045	C.0021	C.00118	-0.0473	-0.2624	0.7537	0.0340	0.2114	0.0460	0.2803
178	58.60	-0.04	C.0042	C.0018	C.00130	-0.0430	-0.3054	0.7450	0.0344	0.2068	0.0462	0.2776

PAGE 3 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH X10-E				PHI	CENF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 128 1000 1.7				C.C	0100F23	C.C	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CNF2	Cn3	Cn3	ACPF3	YCPF3	CNF4	Cn4	Cn4	XCPF4	YCPF4
1	-5.35	0.02	0.1338	5.5555	0.0145	5.5555	0.1083	-1.0064	0.0029	-0.4131	-0.0029	0.4104
2	-5.40	0.01	0.1412	5.5555	0.0151	5.5555	0.1066	-1.0177	0.0038	-0.4200	-0.0037	0.4127
3	-5.40	0.00	0.1335	5.5555	0.0135	5.5555	0.1005	-1.0137	0.0038	-0.4191	-0.0037	0.4135
4	-5.35	0.00	0.1411	5.5555	0.0170	5.5555	0.1204	-1.0210	0.0042	-0.4223	-0.0042	0.4134
5	-5.30	-0.01	0.1335	5.5555	0.0153	5.5555	0.1145	-1.0012	0.0027	-0.4145	-0.0027	0.4144
6	-5.40	0.01	0.1606	5.5555	0.0282	5.5555	0.1035	-0.9950	0.0027	-0.4051	-0.0027	0.4070
7	-1.85	0.00	0.1301	5.5555	0.0180	5.5555	0.1215	-1.0068	0.0075	-0.5185	-0.0058	0.3971
8	0.21	0.01	0.1387	5.5555	0.0150	5.5555	0.1141	-1.0290	-0.0008	-0.5088	0.0006	0.3917
9	2.07	0.00	0.1437	5.5555	0.0152	5.5555	0.1061	-1.0245	-0.0142	-0.4564	0.0110	0.3865
10	3.90	0.00	0.1414	5.5555	0.0122	5.5555	0.0854	-1.0214	-0.0217	-0.4606	0.0179	0.3792
11	5.81	0.01	0.1442	5.5555	0.0085	5.5555	0.0585	-1.1157	-0.0276	-0.4055	0.0247	0.3635
12	7.73	0.01	0.1401	5.5555	0.0077	5.5555	0.0526	-1.0218	-0.0361	-0.3634	0.0353	0.3556
13	5.55	-0.00	0.1440	5.5555	0.0124	5.5555	0.0856	-0.9531	-0.0350	-0.3511	0.0367	0.3684
14	11.46	0.00	0.1260	5.5555	0.0102	5.5555	0.0467	-0.8022	-0.0318	-0.3074	0.0384	0.3713
15	15.31	-0.00	0.1315	5.5555	0.0085	5.5555	0.0644	-0.6528	-0.0285	-0.2504	0.0383	0.3614
16	15.22	0.00	0.1400	5.5555	0.0118	5.5555	0.0790	-0.5300	-0.0184	-0.1987	0.0347	0.3744
17	17.19	-0.00	0.1585	5.5555	0.0115	5.5555	0.0734	-0.3810	-0.0050	-0.1291	0.0147	0.3388
18	19.12	-0.01	0.1355	5.5555	0.0123	5.5555	0.0160	-0.2642	0.0027	-0.0760	-0.0100	0.2824
19	21.04	-0.01	0.1510	5.5555	0.0100	5.5555	0.0682	-0.1711	0.0110	-0.0608	-0.0643	0.1210
20	22.50	-0.01	0.1487	5.5555	0.0087	5.5555	0.0592	-0.0840	0.0190	0.0207	-0.2121	-0.2314
21	24.54	0.00	0.1470	5.5555	0.0058	5.5555	0.0344	-0.0067	0.0311	0.0577	-0.0667	-0.6667
22	26.53	0.00	0.1403	5.5555	0.0150	5.5555	0.1051	0.0430	0.0410	0.0816	0.5535	1.0761
23	28.52	0.00	0.1515	5.5555	0.0150	5.5555	0.0993	0.0030	0.0475	0.0596	0.5628	1.1885
24	28.52	0.00	0.1541	5.5555	0.0180	5.5555	0.0944	0.1004	0.0463	0.1072	0.4813	1.0672
25	28.41	0.00	0.1607	5.5555	0.0157	5.5555	0.0842	0.0842	0.0461	0.0997	0.5475	1.1833
26	28.80	0.00	0.1621	5.5555	0.0145	5.5555	0.0795	0.1263	0.0400	0.1176	0.3789	0.9165
27	29.11	0.00	0.1754	5.5555	0.0181	5.5555	0.1311	0.1304	0.0510	0.1191	0.3913	0.5127
28	29.58	0.00	0.1870	5.5555	0.0151	5.5555	0.0907	0.1550	0.0510	0.1302	0.3280	0.8363
29	29.71	0.04	0.1744	5.5555	0.0170	5.5555	0.1018	0.1773	0.0535	0.1423	0.3014	0.8025
30	30.00	0.04	0.1825	5.5555	0.0125	5.5555	0.0790	0.1832	0.0541	0.1442	0.2954	0.7667
31	30.28	0.05	0.1825	5.5555	0.0135	5.5555	0.0855	0.2105	0.0565	0.1556	0.2686	0.7352
32	30.53	0.06	0.1722	5.5555	0.0145	5.5555	0.1132	0.1909	0.0574	0.1451	0.3006	0.7811
33	30.82	0.06	0.1724	5.5555	0.0160	5.5555	0.0963	0.2046	0.0586	0.1575	0.2873	0.7698
34	31.11	0.07	0.1757	5.5555	0.0210	5.5555	0.1171	0.1876	0.0546	0.1542	0.3189	0.8220
35	31.36	0.05	0.1823	5.5555	0.0203	5.5555	0.1112	0.2262	0.0615	0.1675	0.2718	0.7406
36	31.64	0.00	0.1828	5.5555	0.0184	5.5555	0.1000	0.2154	0.0627	0.1672	0.2912	0.7764
37	31.52	0.00	0.1826	5.5555	0.0184	5.5555	0.1008	0.2374	0.0648	0.1754	0.2732	0.7557
38	32.18	0.04	0.1753	5.5555	0.0100	5.5555	0.0950	0.2542	0.0641	0.1816	0.2520	0.7142
39	32.45	0.05	0.1827	5.5555	0.0154	5.5555	0.1061	0.2652	0.0648	0.1866	0.2445	0.7035
40	32.71	0.03	0.1534	5.5555	0.0072	5.5555	0.0472	0.2716	0.0639	0.1924	0.2352	0.7083
41	32.58	0.04	0.1662	5.5555	0.0133	5.5555	0.0752	0.2879	0.0657	0.1979	0.2282	0.6873
42	33.23	0.05	0.1682	5.5555	0.0133	5.5555	0.0792	0.2877	0.0666	0.2000	0.2314	0.6952
43	33.48	0.03	0.1532	5.5555	0.0102	5.5555	0.0608	0.3129	0.0671	0.2133	0.2143	0.6818
44	33.73	0.02	0.1435	5.5555	0.0030	5.5555	0.0249	0.3324	0.0676	0.2211	0.2035	0.6650
45	32.97	0.02	0.1507	5.5555	0.0072	5.5555	0.0583	0.3358	0.0677	0.2237	0.2017	0.6661
46	34.23	0.04	0.1485	5.5555	0.0078	5.5555	0.0520	0.3000	0.0691	0.2350	0.1915	0.6515

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		X10-E		PHI	CENF	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		128		1.00		0.0	0.0	0	-30	0	-30	UNKNOWN
PLINT	ALPHA	BETA	CNF3	CH3	CB3	ACPF3	YCPF3	CNF4	CF4	C84	XCPF4	YCPF4
47	34.48	0.02	0.1461	5.5555	0.0067	5.9999	0.0456	0.3497	0.0680	0.2279	0.1945	0.6518
48	34.73	0.04	0.1561	5.5555	0.0067	5.9999	0.0547	0.3500	0.0692	0.2323	0.1977	0.6639
49	34.98	0.05	0.1462	5.5555	0.0067	5.9999	0.0455	0.3500	0.0689	0.2323	0.1965	0.6639
50	35.24	0.06	0.1468	5.5555	0.0153	5.5555	0.0409	0.3504	0.0717	0.2429	0.2000	0.6775
51	35.48	0.05	0.1710	5.5555	0.0184	5.5555	0.1076	0.3561	0.0716	0.2447	0.1995	0.6834
52	35.74	0.04	0.1562	5.5555	0.0065	5.5555	0.0403	0.3504	0.0725	0.2506	0.1976	0.6846
53	35.97	0.04	0.1468	5.5555	0.0078	5.9999	0.0526	0.3601	0.0731	0.2479	0.2031	0.6864
54	36.21	0.04	0.1664	5.5555	0.0153	5.9999	0.0911	0.3769	0.0737	0.2504	0.1956	0.6862
55	36.43	0.05	0.1468	5.5555	0.0107	5.5555	0.0724	0.3757	0.0743	0.2568	0.1977	0.6836
56	36.68	0.05	0.1605	5.5555	0.0137	5.5555	0.0854	0.3922	0.0756	0.2665	0.1925	0.6795
57	36.91	0.06	0.1555	5.5555	0.0114	5.5555	0.0732	0.3866	0.0756	0.2640	0.1957	0.6828
58	37.13	0.04	0.1553	5.5555	0.0124	5.5555	0.0745	0.3970	0.0767	0.2697	0.1932	0.6792
59	37.43	0.04	0.1468	5.5555	0.0074	5.9999	0.0526	0.3942	0.0767	0.2654	0.1946	0.6805
60	37.63	0.05	0.1468	5.5555	0.0078	5.9999	0.0526	0.4301	0.0783	0.2837	0.1819	0.6555
61	37.85	0.04	0.1451	5.5555	0.0058	5.5555	0.0658	0.4406	0.0787	0.2871	0.1787	0.6518
62	38.10	0.04	0.1423	5.5555	0.0054	5.9999	0.0657	0.4404	0.0806	0.2857	0.2017	0.6735
63	38.31	0.02	0.1397	5.5555	0.0101	5.5555	0.0725	0.4054	0.0837	0.2728	0.1956	0.6728
64	38.50	0.03	0.1373	5.5555	0.0059	5.5555	0.0724	0.4108	0.0811	0.2732	0.1975	0.6649
65	38.60	0.05	0.1521	5.5555	0.0150	5.9999	0.0964	0.4560	0.0790	0.2906	0.1733	0.6377
66	39.02	0.04	0.1464	5.5555	0.0117	5.5555	0.0794	0.4300	0.0806	0.2856	0.1873	0.6641
67	39.23	0.04	0.1443	5.5555	0.0144	5.5555	0.0996	0.4727	0.0827	0.2752	0.2004	0.6668
68	39.40	0.05	0.1468	5.5555	0.0153	5.5555	0.1034	0.4156	0.0821	0.2754	0.1976	0.6626
69	39.68	0.04	0.1468	5.5555	0.0165	5.9999	0.1124	0.4295	0.0821	0.2815	0.1912	0.6556
70	39.87	0.04	0.1417	5.5555	0.0132	5.5555	0.0933	0.4063	0.0834	0.2713	0.2052	0.6678
71	40.10	0.03	0.1367	5.5555	0.0127	5.5555	0.0932	0.4230	0.0841	0.2765	0.2003	0.6584
72	40.31	0.03	0.1340	5.5555	0.0135	5.5555	0.1006	0.4026	0.0849	0.2720	0.2105	0.6755
73	40.50	0.04	0.1362	5.5555	0.0147	5.5555	0.1076	0.4241	0.0856	0.2773	0.2018	0.6535
74	40.71	0.02	0.1336	5.5555	0.0135	5.5555	0.1005	0.4072	0.0864	0.2700	0.2121	0.6636
75	40.91	0.02	0.1337	5.5555	0.0154	5.5555	0.1154	0.4128	0.0855	0.2654	0.2080	0.6526
76	41.15	0.04	0.1166	5.5555	0.0102	5.5555	0.0677	0.4572	0.0861	0.2841	0.1883	0.6323
77	41.33	0.04	0.1262	5.5555	0.0135	5.5555	0.1101	0.4813	0.0863	0.2987	0.1792	0.6267
78	41.53	0.02	0.1214	5.5555	0.0135	5.5555	0.1115	0.4224	0.0867	0.2689	0.2095	0.6366
79	41.75	0.03	0.1213	5.5555	0.0116	5.9999	0.0955	0.4447	0.0866	0.2797	0.1987	0.6250
80	41.94	0.06	0.1238	5.5555	0.0152	5.5555	0.1205	0.4389	0.0864	0.2763	0.2031	0.6296
81	42.13	0.01	0.1333	5.5555	0.0153	5.5555	0.1447	0.4528	0.0860	0.2804	0.1965	0.6192
82	42.32	0.01	0.1261	5.5555	0.0178	5.5555	0.1408	0.4504	0.0863	0.2774	0.1962	0.6159
83	42.51	0.02	0.1112	5.5555	0.0148	5.5555	0.1311	0.4498	0.0886	0.2739	0.1965	0.6096
84	42.70	0.02	0.1211	5.5555	0.0163	5.5555	0.1514	0.4483	0.0885	0.2925	0.1808	0.5577
85	42.85	0.01	0.1113	5.5555	0.0166	5.9999	0.1490	0.4702	0.0891	0.2832	0.1894	0.6023
86	43.06	0.02	0.1260	5.5555	0.0216	5.9999	0.1715	0.4451	0.0893	0.2710	0.2007	0.6086
87	43.23	0.02	0.1046	5.5555	0.0141	5.5555	0.1354	0.5177	0.0877	0.3036	0.1854	0.5852
88	43.43	0.03	0.1069	5.5555	0.0154	5.5555	0.1417	0.4699	0.0899	0.2801	0.1914	0.5561
89	43.62	0.01	0.1015	5.5555	0.0135	5.5555	0.1369	0.4686	0.0893	0.2908	0.1829	0.5940
90	43.78	0.01	0.1041	5.5555	0.0141	5.5555	0.1553	0.4601	0.0892	0.2779	0.1917	0.5575
91	43.96	0.01	0.1112	5.5555	0.0205	5.5555	0.1839	0.4511	0.0894	0.2697	0.1983	0.5575
92	44.15	0.01	0.1064	5.5555	0.0161	5.5555	0.1764	0.4483	0.0894	0.2855	0.1846	0.5853

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO-6											
1 120 1.00 1.7											
C.G. 0.10023 C.G. 0 -30 0 -30 UNKNOWN											
POINT	ALPHA	BETA	CNF3	CH3	CS3	ACPF3	YCPF3	CNF4	CH4	CS4	ACPF4
93	44.31	0.01	0.1205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
94	44.52	0.01	0.1138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
95	44.65	0.01	0.1235	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
96	44.86	0.00	0.1035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
97	45.25	0.00	0.1014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
98	45.24	0.00	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
99	45.41	0.00	0.0985	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100	45.55	0.00	0.0918	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101	45.77	0.00	0.1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102	45.94	0.01	0.1035	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103	46.11	0.00	0.0844	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104	46.31	0.01	0.0917	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105	46.47	0.01	0.0915	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106	46.62	0.00	0.0844	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107	46.83	0.01	0.0802	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108	47.00	0.00	0.0912	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109	47.15	0.02	0.0838	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110	47.33	0.02	0.0933	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111	47.53	0.01	0.1007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112	47.70	0.01	0.1006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113	47.86	0.02	0.0983	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114	48.02	0.03	0.0984	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115	48.23	0.03	0.0955	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116	48.40	0.04	0.0935	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117	48.57	0.03	0.0918	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118	48.74	0.03	0.0910	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119	48.91	0.03	0.0934	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120	49.05	0.04	0.1031	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121	49.26	0.02	0.0958	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122	49.44	0.03	0.0857	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123	49.63	0.02	0.0927	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124	49.82	0.02	0.0834	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125	49.96	0.02	0.0900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126	50.15	0.02	0.0852	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127	50.33	0.03	0.0878	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128	50.53	0.02	0.0874	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129	50.70	0.03	0.0845	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130	50.86	0.01	0.0846	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131	51.03	0.02	0.0878	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132	51.20	0.01	0.0875	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133	51.35	0.03	0.0858	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134	51.57	0.01	0.0822	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135	51.69	0.00	0.0855	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136	51.89	0.01	0.0822	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137	52.03	0.00	0.0851	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138	52.23	0.01	0.0819	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

 PAGE 3 OF 3
 SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RX10-L		PHT CKNF		L CECI		DEL2		DEL3		DEL4		TRANSITION	
1 128 1.00 1.7		L.C. 0.100 2.5		0.4		0		0		-30		UNKNOWN	
PCINT	ALPHA	BETA	LNFB	CH3	Co3	ACPF3	YCFF3	CAF4	CH4	CB4	ACPF4	YCFF4	
139	52.40	0.00	0.0000	5.5555	0.0242	5.5555	0.3522	0.4550	0.0620	0.2657	0.1363	0.5860	
140	52.56	0.01	0.0003	5.5555	0.0215	5.5555	0.3632	0.4652	0.0624	0.2752	0.1330	0.5822	
141	52.72	0.01	0.0073	5.5555	0.0234	5.5555	0.3768	0.4550	0.0616	0.2856	0.1353	0.5838	
142	52.87	0.01	0.0058	5.5555	0.0260	5.5555	0.3804	0.4412	0.0620	0.2576	0.1466	0.5839	
143	53.05	0.00	0.0045	5.5555	0.0281	5.5555	0.4027	0.4092	0.0594	0.2449	0.1452	0.5884	
144	53.21	0.01	0.0077	5.5555	0.0238	5.5555	0.4097	0.4439	0.0620	0.2566	0.1358	0.5784	
145	53.36	0.00	0.0046	5.5555	0.0281	5.5555	0.4330	0.4341	0.0597	0.2520	0.1376	0.5806	
146	53.54	0.03	0.0053	5.5555	0.0244	5.5555	0.4415	0.4237	0.0595	0.2475	0.1405	0.5841	
147	53.71	0.01	0.0074	5.5555	0.0252	5.5555	0.4335	0.4075	0.0593	0.2416	0.1455	0.5815	
148	53.87	0.01	0.0054	5.5555	0.0240	5.5555	0.4425	0.4352	0.0591	0.2455	0.1355	0.5734	
149	54.02	0.02	0.0053	5.5555	0.0254	5.5555	0.4590	0.4216	0.0583	0.2434	0.1382	0.5773	
150	54.18	0.02	0.0076	5.5555	0.0260	5.5555	0.4441	0.4429	0.0575	0.2435	0.1355	0.5736	
151	54.35	0.02	0.0001	5.5555	0.0250	5.5555	0.4428	0.4574	0.0591	0.2524	0.1253	0.5518	
152	54.52	0.01	0.0051	5.5555	0.0301	5.5555	0.4622	0.4418	0.0580	0.2460	0.1255	0.5536	
153	54.71	0.01	0.0033	5.5555	0.0227	5.5555	0.5234	0.4315	0.0593	0.2410	0.1375	0.5586	
154	54.85	0.02	0.0051	5.5555	0.0262	5.5555	0.4445	0.4427	0.0585	0.2438	0.1316	0.5506	
155	55.02	0.00	0.0032	5.5555	0.0226	5.5555	0.5223	0.4307	0.0576	0.2373	0.1337	0.5505	
156	55.18	0.02	0.0029	5.5555	0.0262	5.5555	0.5226	0.4420	0.0582	0.2315	0.1365	0.5455	
157	55.35	0.01	0.0076	5.5555	0.0304	5.5555	0.5276	0.4250	0.0582	0.2319	0.1365	0.5455	
158	55.48	0.01	0.0076	5.5555	0.0304	5.5555	0.5276	0.4360	0.0576	0.2326	0.1321	0.5335	
159	55.62	0.01	0.0029	5.5555	0.0262	5.5555	0.5328	0.4254	0.0580	0.2260	0.1363	0.5312	
160	55.77	0.02	0.0029	5.5555	0.0251	5.5555	0.5311	0.4261	0.0580	0.2271	0.1355	0.5305	
161	55.94	0.03	0.0031	5.5555	0.0264	5.5555	0.56130	0.4363	0.0580	0.2278	0.1325	0.5221	
162	56.11	0.00	0.0031	5.5555	0.0264	5.5555	0.6130	0.4199	0.0577	0.2194	0.1374	0.5225	
163	56.32	0.04	0.0004	5.5555	0.0275	5.5555	0.5356	0.4218	0.0584	0.2204	0.1384	0.5224	
164	56.45	0.03	0.0027	5.5555	0.0315	5.5555	0.6062	0.4354	0.0585	0.2233	0.1257	0.5122	
165	56.63	0.03	0.0046	5.5555	0.0332	5.5555	0.5224	0.4344	0.0580	0.2208	0.1335	0.5082	
166	56.80	0.04	0.0053	5.5555	0.0264	5.5555	0.6269	0.4591	0.0553	0.2272	0.1204	0.4950	
167	56.92	0.08	0.0035	5.5555	0.0246	5.5555	0.6963	0.4512	0.0542	0.2225	0.1202	0.4932	
168	57.13	0.02	0.0027	5.5555	0.0251	5.5555	0.6817	0.5047	0.0555	0.2445	0.1055	0.4844	
169	57.29	0.08	0.0035	5.5555	0.0257	5.5555	0.7226	0.4856	0.0555	0.2360	0.1142	0.4860	
170	57.44	0.06	0.0003	5.5555	0.0270	5.5555	0.6095	0.4691	0.0560	0.2306	0.1193	0.4820	
171	57.59	0.10	0.0036	5.5555	0.0247	5.5555	0.6936	0.4718	0.0563	0.2310	0.1152	0.4896	
172	57.69	0.06	0.0035	5.5555	0.0247	5.5555	0.6957	0.4332	0.0551	0.2157	0.1272	0.4980	
173	57.87	0.10	0.0027	5.5555	0.0272	5.5555	0.6766	0.4822	0.0551	0.2324	0.1142	0.4820	
174	58.02	0.06	0.0007	5.5555	0.0244	5.5555	0.7296	0.4790	0.0551	0.2329	0.1156	0.4863	
175	58.19	0.10	0.0031	5.5555	0.0273	5.5555	0.6060	0.5025	0.0561	0.2415	0.1116	0.4808	
176	58.31	0.12	0.0002	5.5555	0.0260	5.5555	0.6051	0.4812	0.0545	0.2318	0.1133	0.4817	
177	58.49	0.07	0.0003	5.5555	0.0250	5.5555	0.6196	0.5029	0.0545	0.2404	0.1084	0.4781	
178	58.60	0.04	0.0002	5.5555	0.0210	5.5555	0.6125	0.5012	0.0546	0.2367	0.1090	0.4723	

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MACF	AXIC-6	PHS	CLNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	129	1.10	1.7	0.C	1.10F23	C.C	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CA	CLP	CV	CLA	CLL	CA	CAB	CAF	XCP
1	-5.40	0.00	-1.2743	4.1504	-0.0253	-0.0152	-0.0085	1.0441	0.3425	0.7017	-3.2885
2	-5.41	0.00	-1.2846	4.1854	-0.0374	0.0701	-0.0087	1.0478	0.3405	0.7014	-3.3058
3	-5.43	-0.03	-1.2843	4.1853	-0.0510	0.0703	-0.0087	1.0451	0.3438	0.7014	-3.3105
4	-4.02	0.01	-1.2045	4.3553	-0.0472	0.0575	-0.0134	1.0553	0.3305	0.7249	-3.6146
5	-2.71	0.01	-1.1102	4.5042	-0.0260	-0.0210	-0.0120	1.0411	0.3216	0.7196	-4.0617
6	-0.80	0.00	-0.9500	4.5765	-0.0313	-0.0020	-0.0173	1.0312	0.3105	0.7148	-4.6344
7	1.03	0.00	-0.8125	4.4405	-0.0085	0.0075	-0.0115	1.0222	0.3216	0.7007	-5.4656
8	2.95	0.01	-0.6323	4.2219	-0.0150	0.0468	-0.0102	0.9825	0.3230	0.6995	-6.6752
9	4.03	0.01	-0.4554	4.0063	-0.0750	-0.0011	-0.0152	0.9506	0.3350	0.6956	-8.8541
10	6.71	0.01	-0.3011	3.9385	-0.0146	-0.0163	-0.0147	0.9017	0.3411	0.6266	-13.0836
11	8.01	0.00	-0.0003	3.7078	-0.0252	0.0751	-0.0090	0.9305	0.3472	0.5813	-56.2555
12	10.40	0.01	0.1032	3.4455	-0.0570	0.1901	-0.0036	0.9008	0.3527	0.5481	33.4060
13	12.41	0.01	0.4372	3.0606	-0.0675	0.1709	0.0027	0.8370	0.3632	0.4738	7.0005
14	14.33	0.01	0.7006	2.6001	-0.0647	0.1700	-0.0009	0.7952	0.3581	0.4371	3.4088
15	16.33	0.00	1.1050	2.3472	-0.0337	0.3644	-0.0013	0.7352	0.3663	0.3665	2.1231
16	18.32	0.00	1.4206	2.0500	-0.0752	0.0441	0.0013	0.6783	0.3635	0.3150	1.4713
17	20.26	0.01	1.7540	1.5054	-0.1324	0.5550	-0.0204	0.6153	0.3613	0.2580	1.0616
18	22.27	0.02	2.0270	2.1036	-0.0217	0.1074	-0.0117	0.5500	0.3477	0.2605	0.5198
19	24.31	-0.01	2.5520	2.2008	-0.0270	0.8321	-0.0001	0.5020	0.3416	0.1604	0.7525
20	26.32	0.01	3.5000	2.1500	-0.0537	0.1511	-0.0012	0.4535	0.3417	0.1115	0.6017
21	28.35	0.05	4.1544	2.2372	-0.0351	-0.5052	0.0290	0.4120	0.3385	0.0745	0.5530
22	28.44	0.05	4.2050	2.3000	-0.1275	-0.0090	0.0230	0.4090	0.3374	0.0716	0.5412
23	28.81	0.03	4.3509	2.2656	-0.1336	-0.1095	0.0290	0.4129	0.3377	0.0752	0.5217
24	29.00	0.05	4.4044	2.2251	-0.2050	-0.1055	0.0230	0.3092	0.3308	0.0504	0.4971
25	29.38	0.02	4.5301	2.2845	-0.0774	0.1034	0.0257	0.3998	0.3355	0.0645	0.5044
26	29.71	0.03	4.6570	2.2605	-0.1505	0.0060	0.0401	0.4043	0.3410	0.0625	0.4640
27	29.95	0.05	4.7031	2.2511	-0.2710	-0.0125	0.0295	0.3749	0.3381	0.0368	0.4810
28	30.28	0.03	4.8031	2.2304	-0.1817	-0.0233	0.0510	0.3707	0.3410	0.0351	0.4580
29	30.57	0.05	5.0152	2.0522	-0.3037	-0.3069	0.0520	0.3697	0.3404	0.0213	0.4172
30	30.84	0.00	5.1220	2.0743	-0.3407	-0.2923	0.0045	0.3737	0.3516	0.0221	0.4057
31	31.11	0.05	5.1655	2.0278	-0.2735	-0.1857	0.0034	0.3701	0.3530	0.0171	0.3922
32	31.39	0.07	5.3004	1.0037	-0.3477	-0.1320	0.0529	0.3607	0.3533	0.0154	0.3550
33	31.69	0.04	5.4550	1.7926	-0.2314	-0.0500	0.0634	0.3702	0.3605	0.0097	0.3255
34	31.95	0.00	5.5014	1.8550	-0.4559	-0.1295	0.0040	0.3011	0.3520	0.0051	0.2373
35	32.23	0.03	5.6053	1.8155	-0.1186	-0.2807	0.0420	0.3532	0.3577	-0.0045	0.3212
36	32.51	0.04	5.7015	1.0031	-0.1091	-0.2078	0.0747	0.3415	0.3502	-0.0167	0.3130
37	32.77	0.02	5.8007	1.7755	-0.0574	-0.7350	0.0263	0.3519	0.3502	-0.0063	0.3020
38	33.04	0.02	6.0027	1.6030	-0.1090	-0.7531	0.0267	0.3445	0.3509	-0.0124	0.2794
39	33.29	0.03	5.5552	1.6550	-0.0745	-0.8537	0.0263	0.3530	0.3637	-0.0107	0.2760
40	33.57	0.02	6.2710	1.4300	-0.1471	-1.1042	0.0103	0.3400	0.3003	-0.0203	0.2251
41	33.80	0.01	6.3171	1.3855	-0.2002	-1.1384	0.0265	0.3427	0.3717	-0.0290	0.2193
42	34.06	0.03	6.3240	1.3955	-0.0421	-1.0349	0.0421	0.3305	0.3677	-0.0372	0.2214
43	34.33	0.01	6.5324	1.3404	-0.1650	-1.2254	0.0267	0.3133	0.3745	-0.0612	0.2052
44	34.50	0.00	6.0000	1.2740	-0.2450	-1.1011	0.0320	0.3309	0.3754	-0.0370	0.1929
45	34.83	0.02	6.7363	1.0920	-0.0537	-1.0152	0.0043	0.3197	0.3806	-0.0605	0.1622
46	35.00	0.02	6.0000	1.0000	-0.0550	-1.0500	0.0333	0.3131	0.3789	-0.0650	0.1534

PAGE 1 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MAC-RX10-E			PHI		CCNF		C		DEL1		DEL2		DEL3		DEL4		TRANSITION	
1			129		1.10		1.7		O.C		O.C		O.C		O.C		UNKNOWN	
POINT	ALPHA	BETA	CLN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP							
47	35.33	0.03	7.0589	0.7561	-0.0351	1.1725	0.0806	0.3331	0.3900	-0.0569	0.1074							
48	35.57	0.04	7.0588	1.0418	-0.0280	0.8701	0.0354	0.2940	0.3793	-0.0853	0.1476							
49	35.83	0.01	7.2684	0.8729	-0.1487	1.1381	0.0560	0.2945	0.3843	-0.0894	0.1201							
50	36.06	0.02	7.2747	0.8710	-0.0030	0.9298	0.0308	0.2854	0.3778	-0.0921	0.1157							
51	36.31	0.00	7.5095	0.6821	-0.1152	1.1065	0.0508	0.2855	0.3633	-0.0938	0.0882							
52	36.52	0.01	7.4054	0.5845	-0.0579	1.1570	0.0501	0.3210	0.3554	-0.0744	0.0762							
53	36.78	0.01	7.6253	0.5184	-0.0734	1.2825	0.0512	0.2890	0.3914	-0.1024	0.0680							
54	37.00	0.02	7.6535	0.4657	-0.0272	1.0553	0.0468	0.2984	0.3974	-0.0591	0.0635							
55	37.26	0.01	7.8760	0.3581	-0.1500	1.0657	0.0530	0.2762	0.3874	-0.1112	0.0505							
56	37.50	0.01	7.8738	0.3081	-0.0798	1.1474	0.0473	0.2742	0.3846	-0.1104	0.0468							
57	37.73	-0.00	7.6756	0.4431	-0.1173	0.9330	0.0436	0.2619	0.3858	-0.1237	0.0556							
58	37.97	0.02	8.1514	0.2177	0.0155	0.8628	0.0492	0.2693	0.3888	-0.1173	0.0267							
59	38.20	-0.01	8.1138	0.2244	-0.2613	1.0259	0.0594	0.2860	0.3873	-0.1213	0.0277							
60	38.42	-0.01	8.1365	0.1172	-0.1596	1.0520	0.0590	0.2911	0.3898	-0.0988	0.0144							
61	38.66	-0.02	8.3112	0.0476	-0.2245	1.0579	0.0544	0.2479	0.3843	-0.1364	0.0057							
62	38.90	-0.00	8.3521	0.0431	-0.0731	0.8541	0.0449	0.2492	0.3728	-0.1234	0.0052							
63	39.12	-0.01	8.4408	0.0771	-0.1922	0.8731	0.0402	0.2462	0.3652	-0.1150	0.0091							
64	39.34	-0.02	8.5307	0.1355	-0.2550	0.7097	0.0362	0.2182	0.3642	-0.1460	0.0159							
65	39.57	-0.01	8.8305	-0.0107	-0.1801	0.8298	0.0365	0.1984	0.3515	-0.1531	-0.0015							
66	39.81	-0.00	8.8033	-0.1555	-0.0608	0.6394	0.0371	0.2119	0.3579	-0.1460	-0.0175							
67	40.02	-0.00	8.9200	-0.1428	-0.0674	0.2634	0.0387	0.1919	0.3458	-0.1575	-0.0160							
68	40.24	-0.01	9.0258	-0.0744	-0.1340	0.7177	0.0374	0.2002	0.3645	-0.1643	-0.0304							
69	40.44	-0.01	9.0385	-0.2541	-0.0577	0.4788	0.0363	0.1765	0.3501	-0.1716	-0.0281							
70	40.64	-0.01	9.0559	-0.2715	-0.0018	0.0547	0.0348	0.1872	0.3585	-0.1697	-0.0300							
71	40.85	-0.00	9.2355	-0.5102	-0.0095	0.3403	0.0392	0.1864	0.3545	-0.1881	-0.0552							
72	41.07	-0.00	9.4035	-0.6524	-0.0842	0.8285	0.0327	0.1736	0.3565	-0.1833	-0.0736							
73	41.29	-0.02	9.4555	-0.8322	-0.1385	0.6105	0.0339	0.1509	0.3582	-0.2073	-0.0668							
74	41.48	-0.02	9.5234	-0.8005	-0.1844	0.5418	0.0292	0.1531	0.3555	-0.2026	-0.0846							
75	41.70	-0.02	9.5554	-0.8547	-0.1621	0.3630	0.0301	0.1391	0.3613	-0.2222	-0.0850							
76	41.90	-0.02	9.6110	-0.8255	-0.0496	0.4153	0.0298	0.1503	0.3489	-0.1986	-0.0859							
77	42.10	-0.04	9.7516	-0.8843	-0.2585	0.9369	0.0183	0.1477	0.3650	-0.2173	-0.0907							
78	42.30	-0.02	9.9100	-1.0500	-0.3587	1.0142	0.0007	0.1471	0.3623	-0.2152	-0.1099							
79	42.50	-0.01	9.9078	-1.1353	-0.2458	1.4773	-0.0043	0.1384	0.3545	-0.2181	-0.1150							
80	42.69	-0.03	9.9128	-0.9745	-0.3555	0.7904	0.0144	0.1021	0.3421	-0.2400	-0.0583							
81	42.88	-0.01	10.1058	-1.1934	-0.2540	1.4835	-0.0036	0.1199	0.3481	-0.2282	-0.1180							
82	43.07	-0.03	10.2373	-1.2852	-0.3458	1.3275	-0.0025	0.1138	0.3495	-0.2359	-0.1236							
83	43.26	-0.03	10.3284	-1.2214	-0.3835	1.4010	-0.0076	0.0909	0.3427	-0.2517	-0.1183							
84	43.42	-0.03	10.2537	-1.3565	-0.3475	1.2523	-0.0022	0.1018	0.3354	-0.2338	-0.1318							
85	43.60	-0.01	10.3518	-1.1228	-0.2553	1.2252	-0.0121	0.0594	0.3223	-0.2828	-0.1085							
86	43.75	-0.01	10.4556	-1.2380	-0.1438	0.7292	0.0004	0.0454	0.3020	-0.2585	-0.1177							
87	43.98	-0.01	10.4930	-1.2385	-0.1530	0.7574	0.0003	0.0604	0.3093	-0.2488	-0.1179							
88	44.17	-0.02	10.6585	-1.3883	-0.2855	0.9474	-0.0101	0.0513	0.3000	-0.2536	-0.1258							
89	44.35	-0.01	10.6532	-1.3131	-0.1414	0.5800	0.0067	0.0357	0.2875	-0.2537	-0.1233							
90	44.51	-0.02	10.6582	-1.3072	-0.2826	0.7860	0.0010	0.0358	0.2888	-0.2488	-0.1222							
91	44.71	-0.02	10.7268	-1.3175	-0.2335	0.9178	-0.0098	0.0446	0.2877	-0.2431	-0.1228							
92	44.88	-0.02	10.7557	-1.1871	-0.2854	1.1287	-0.0208	0.0328	0.2863	-0.2535	-0.1104							

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH XXIC-6			PHI	CGRF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 125 1.10 1.7			C.C	810023	C.C	U	-30	U	-30	UNKNOWN	
PCINT	ALPHA	BETA	CA	CLM	CV	CLA	CLL	CA	CAB	CAF	XCP
93	45.07	0.00	10.8553	-1.3346	0.0543	-0.2628	0.0462	0.0140	0.2768	-0.2628	-0.1229
94	45.27	-0.03	11.0387	-1.3365	-0.2114	0.7014	-0.0060	0.0091	0.2720	-0.2649	-0.1267
95	45.44	-0.03	10.5865	-1.3361	-0.1576	0.7643	-0.0065	0.0143	0.2695	-0.2552	-0.1270
96	45.61	-0.03	11.1216	-1.2575	-0.1503	0.6917	0.0028	0.0031	0.2688	-0.2657	-0.1131
97	45.79	-0.02	11.1006	-1.3541	-0.0515	0.3556	-0.0141	-0.0119	0.2601	-0.2720	-0.1220
98	45.98	-0.03	11.1074	-1.1260	-0.1432	0.3262	0.0000	-0.0021	0.2606	-0.2627	-0.1003
99	46.15	-0.02	11.2652	-1.3521	-0.0700	0.6643	-0.0074	0.0082	0.2606	-0.2524	-0.1200
100	46.31	-0.03	11.3872	-1.3563	-0.1556	0.7301	-0.0122	-0.0055	0.2568	-0.2623	-0.1191
101	46.40	-0.01	11.3454	-1.2725	-0.0065	0.4592	-0.0341	0.0023	0.2613	-0.2550	-0.1122
102	46.66	-0.03	11.4135	-1.2224	-0.1586	0.6635	-0.0065	0.0015	0.2591	-0.2526	-0.1071
103	46.66	-0.02	11.7413	-2.0867	-0.1063	0.7845	-0.0171	0.0057	0.2727	-0.2670	-0.1777
104	47.02	-0.02	11.0753	-1.3062	-0.0516	0.6666	-0.0112	-0.0050	0.2603	-0.2653	-0.1285
105	47.19	-0.03	11.6575	-1.5858	-0.2665	0.7165	-0.0058	-0.0138	0.2485	-0.2627	-0.1356
106	47.37	-0.03	11.0074	-1.3624	-0.1206	0.7697	-0.0115	-0.0054	0.2643	-0.2657	-0.1662
107	47.54	-0.03	11.8277	-1.6511	-0.1265	0.6441	-0.0057	-0.0022	0.2732	-0.2754	-0.1650
108	47.70	-0.03	11.8808	-1.5245	-0.1098	0.3436	-0.0051	0.0040	0.2773	-0.2663	-0.1622
109	47.89	-0.03	12.0466	-2.1577	-0.0350	0.4637	-0.0046	0.0163	0.2915	-0.2731	-0.1791
110	48.06	-0.02	12.0017	-2.0951	-0.1206	0.3208	0.0069	0.0046	0.3121	-0.3025	-0.1737
111	48.24	-0.02	12.1744	-2.2530	-0.0135	0.1175	0.0182	0.0282	0.3214	-0.2952	-0.1851
112	48.42	-0.01	12.3558	-2.5413	0.1347	-0.1292	0.0564	0.0456	0.3319	-0.2862	-0.2050
113	48.59	-0.01	12.4036	-2.3536	0.0601	0.1565	0.0552	0.0447	0.3272	-0.2824	-0.1930
114	48.78	-0.00	12.5453	-2.6444	0.1116	0.2570	0.0500	0.0472	0.3313	-0.2840	-0.2108
115	48.93	-0.01	12.5057	-2.6328	0.0521	0.2205	0.0557	0.0435	0.3241	-0.2801	-0.2055
116	49.11	-0.00	12.5137	-2.5146	0.1015	0.3249	0.0444	0.0346	0.3242	-0.2896	-0.2010
117	49.27	-0.01	12.5753	-2.5676	0.0601	0.3468	0.0440	0.0350	0.3231	-0.2880	-0.2058
118	49.44	0.01	12.6703	-2.6676	0.1575	0.3547	0.0440	0.0251	0.3201	-0.2970	-0.2121
119	49.63	-0.03	12.7866	-2.8624	0.1051	0.6143	0.0369	0.0406	0.3265	-0.2858	-0.2258
120	49.80	-0.02	12.8304	-2.9318	0.0674	0.7527	0.0491	0.0275	0.3209	-0.2994	-0.2285
121	49.97	-0.01	12.8450	-2.9700	0.0647	0.4251	0.0375	0.0411	0.3295	-0.2887	-0.2312
122	50.16	0.01	13.0302	-3.3171	0.1756	1.1507	0.0319	0.0393	0.3381	-0.2988	-0.2546
123	50.32	-0.00	12.9556	-3.1488	0.1164	1.0655	0.0323	0.0373	0.3363	-0.3010	-0.2430
124	50.50	0.00	13.1918	-3.5366	0.0545	1.0765	0.0433	0.0336	0.3363	-0.3027	-0.2681
125	50.60	0.01	13.2713	-3.6523	0.2015	0.9537	0.0364	0.0256	0.3327	-0.3071	-0.2782
126	50.86	0.02	13.3520	-3.8181	0.2470	1.0174	0.0364	0.0323	0.3340	-0.3017	-0.2860
127	51.03	0.01	13.4535	-4.0544	0.1496	1.0614	0.0387	0.0206	0.3329	-0.3121	-0.3005
128	51.21	0.01	13.6151	-4.2455	0.2005	0.9665	0.0343	0.0204	0.3343	-0.3079	-0.3121
129	51.38	0.02	13.5620	-4.1434	0.3188	0.6484	0.0354	0.0319	0.3308	-0.2989	-0.3055
130	51.53	0.01	13.5107	-4.0126	0.2255	1.0164	0.0369	0.0161	0.3204	-0.3023	-0.2570
131	51.72	-0.00	13.6715	-4.2891	0.1185	1.1058	0.0286	0.0185	0.3162	-0.2977	-0.3137
132	51.90	0.00	13.4252	-4.7365	0.1713	1.0516	0.0242	0.0212	0.3256	-0.3044	-0.3401
133	52.06	0.01	13.6542	-4.5517	0.2328	0.9375	0.0295	0.0152	0.3127	-0.2975	-0.3285
134	52.22	0.01	13.6021	-4.4075	0.2442	0.5456	0.0241	0.0238	0.3046	-0.2857	-0.3193
135	52.39	0.01	13.6508	-4.4853	0.2208	0.5216	0.0191	0.0190	0.3160	-0.2970	-0.3241
136	52.50	0.02	13.6603	-4.4647	0.3271	0.8136	0.0141	0.0402	0.3217	-0.2754	-0.3221
137	52.73	-0.00	13.5601	-4.6431	0.1351	0.5535	0.0152	0.0147	0.3138	-0.2991	-0.3326
138	52.85	0.01	13.5571	-4.6352	0.2395	0.8575	0.0143	0.0312	0.3251	-0.2935	-0.3324

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RXIC-8			PHI	CLAF	L	CELL	CELL2	CELL3	CELL4	TRANSITION	
7 129 1-10 1-7			C.C. 610423 0.0			0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	LN	CLM	CN	CLN	CLL	CA	CAB	CAF	XCP
139	53.05	0.01	13.9244	-4.5008	0.2920	0.7806	0.0093	0.0426	0.3306	-0.2879	-0.3275
140	53.24	0.01	14.0541	-4.5009	0.2162	0.8328	0.0095	0.0456	0.3255	-0.2842	-0.3416
141	53.40	0.02	13.8753	-4.4453	0.2453	0.8207	0.0091	0.0268	0.3275	-0.2987	-0.3203
142	53.57	0.00	13.9580	-4.5761	0.1524	0.8535	0.0013	0.0463	0.3356	-0.2915	-0.3279
143	53.72	0.00	13.8550	-4.4451	0.1827	0.8275	0.0053	0.0329	0.3322	-0.2953	-0.3202
144	53.92	0.00	14.1240	-4.5451	0.1554	0.8532	0.0096	0.0344	0.3472	-0.3128	-0.3430
145	54.05	0.01	13.9380	-4.4666	0.0563	0.9861	0.0037	0.0330	0.3413	-0.3083	-0.3205
146	54.24	0.01	14.0075	-4.7205	0.2257	0.7891	0.0044	0.0397	0.3516	-0.3119	-0.3356
147	54.38	0.02	14.1572	-4.5513	0.0205	0.0109	0.0095	0.0262	0.3538	-0.3336	-0.3455
148	54.55	0.02	14.1234	-4.5246	0.0655	0.0056	0.0096	0.0297	0.3565	-0.3268	-0.3416
149	54.70	0.01	14.1464	-4.8360	0.0765	0.5476	0.0201	0.0219	0.3515	-0.3256	-0.3419
150	54.86	0.02	14.0376	-4.6251	0.0441	0.5565	0.0094	0.0257	0.3526	-0.3269	-0.3258
151	55.02	0.02	14.1240	-4.7513	0.0037	0.8294	0.0101	0.0008	0.3527	-0.3515	-0.3364
152	55.15	0.02	14.1841	-4.8430	0.0537	0.6711	0.0106	0.0106	0.3557	-0.3449	-0.3414
153	55.35	0.01	14.2631	-5.0066	0.0743	0.6684	0.0162	0.0067	0.3622	-0.3535	-0.3510
154	55.50	0.01	14.1957	-4.8787	0.1272	0.5997	0.0216	0.0149	0.3709	-0.3560	-0.3436
155	55.65	0.02	14.1435	-4.7953	0.0845	0.6488	0.0160	0.0151	0.3668	-0.3537	-0.3353
156	55.81	0.02	14.1401	-4.8135	0.1354	0.5523	0.0269	0.0016	0.3662	-0.3646	-0.3404
157	55.95	0.05	14.1847	-4.8541	0.1632	0.5052	0.0103	0.0086	0.3728	-0.3642	-0.3655
158	56.15	0.03	14.2562	-5.1167	0.0207	0.5068	0.0167	0.0152	0.3703	-0.3551	-0.3594
159	56.31	0.04	14.2642	-5.1558	0.1422	0.6327	0.0106	0.0042	0.3714	-0.3756	-0.3645
160	56.47	0.03	14.2621	-5.2383	0.0254	0.6126	0.0216	0.0347	0.3733	-0.4062	-0.3668
161	56.61	0.04	14.2238	-5.0878	0.0756	0.5056	0.0177	0.0065	0.3745	-0.3814	-0.3577
162	56.78	0.04	14.2161	-5.1214	0.0756	0.5913	0.0113	0.0104	0.3767	-0.3663	-0.3602
163	56.95	0.05	14.5755	-5.7457	0.0167	0.3547	0.0234	0.0001	0.3857	-0.3856	-0.3944
164	57.10	0.02	14.4467	-5.4757	0.4562	0.0405	0.0342	0.0068	0.3851	-0.3919	-0.3753
165	57.26	0.03	14.6191	-5.7511	0.1165	0.0747	0.0357	0.0340	0.3834	-0.4274	-0.3934
166	57.41	0.06	14.6601	-5.6261	0.3256	0.0508	0.0249	0.0057	0.3859	-0.3956	-0.3970
167	57.58	0.05	14.8278	-6.1813	0.0346	0.1154	0.0306	0.0376	0.4048	-0.4524	-0.4169
168	57.69	0.07	14.5339	-5.3770	0.2565	0.2332	0.0139	0.0187	0.4131	-0.4318	-0.3736
169	57.86	0.05	14.5757	-5.6575	0.0057	0.1749	0.0252	0.0035	0.4269	-0.4304	-0.3905
170	58.00	0.03	14.6428	-5.8362	0.0465	0.0837	0.0147	0.0255	0.4231	-0.4486	-0.3987
171	58.13	0.05	14.5445	-5.8055	0.0235	0.0565	0.0246	0.0395	0.4357	-0.4752	-0.3992
172	58.29	0.01	14.5679	-5.8661	0.4256	0.2632	0.0123	0.0305	0.4271	-0.4576	-0.4023
173	58.42	0.09	14.5767	-5.8283	0.4112	0.3137	0.0036	0.0583	0.4331	-0.4915	-0.3958
174	58.59	0.05	14.6677	-6.0626	0.1530	0.1662	0.0054	0.0376	0.4256	-0.4672	-0.4134
175	58.72	0.02	14.6853	-6.0504	0.2935	0.0218	0.0140	0.0322	0.4433	-0.4753	-0.4146

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			MAF	XX10-2	PH1	CNF	CH1	DEL1	DEL2	DEL3	DEL4	TRANSITION
7			129	1.10	1.7	0.0	0.0	0.0	-30	0	-30	UNKNOWN
PLINT	ALPHA	BETA	CNF1	CH1	CH2	ACFF1	YCPF1	CNF2	CH2	CB2	ACPF2	YCPF2
1	-5.43	0.00	-0.0257	0.0010	0.0380	-0.0165	-0.4323	-1.1562	-0.0024	-0.6358	0.0021	0.5455
2	-5.41	0.00	-0.0442	0.0010	0.0353	-0.0174	-0.4170	-1.1644	-0.0014	-0.6359	0.0012	0.5462
3	-5.43	-0.00	-0.0500	0.0023	0.0407	-0.0257	-0.4523	-1.1540	-0.0016	-0.6333	0.0016	0.5484
4	-4.02	0.01	-0.0560	0.0010	0.0303	-0.0171	-0.3779	-1.1613	-0.0042	-0.6461	0.0037	0.5501
5	-2.71	0.01	-0.0653	0.0040	0.0367	-0.0464	-0.4249	-1.1343	-0.0057	-0.6573	0.0050	0.5794
6	-0.00	0.00	-0.0650	0.0045	0.0301	-0.0750	-0.5500	-1.0912	-0.0071	-0.6450	0.0065	0.5555
7	1.33	0.00	-0.0755	0.0020	0.0264	-0.0345	-0.3700	-1.0510	-0.0119	-0.6239	0.0113	0.5536
8	2.95	0.01	-0.0650	0.0033	0.0290	-0.0476	-0.4210	-0.9675	-0.0152	-0.5835	0.0150	0.6031
9	4.80	0.01	-0.0701	0.0020	0.0391	-0.0371	-0.5571	-0.9252	-0.0201	-0.5405	0.0203	0.5542
10	6.71	0.01	-0.0575	0.0010	0.0355	-0.0107	-0.3065	-0.9779	-0.0234	-0.5233	0.0209	0.5961
11	8.61	0.00	-0.1055	-0.0026	0.0420	0.0204	-0.3333	-0.7625	-0.0214	-0.4710	0.0261	0.6177
12	10.40	0.01	-0.1205	-0.0030	0.0472	0.0245	-0.3503	-0.6501	-0.0182	-0.4211	0.0278	0.6418
13	12.41	0.01	-0.1175	-0.0045	0.0585	0.0385	-0.4459	-0.5011	-0.0151	-0.3438	0.0302	0.6861
14	14.33	0.01	-0.1450	-0.0101	0.0525	0.0677	-0.3535	-0.3503	-0.0080	-0.2794	0.0251	0.7590
15	16.35	0.00	-0.1055	-0.0147	0.0435	0.0884	-0.2624	-0.2005	0.0	-0.2088	0.0	1.0414
16	18.32	0.00	-0.1957	-0.0201	0.0450	0.1455	-0.2298	-0.1118	0.0000	-0.1509	-0.0535	1.3494
17	20.20	0.01	-0.2215	-0.0175	0.0076	0.0605	-0.0343	0.0193	0.0145	-0.0030	0.7500	-4.3000
18	22.21	0.02	-0.1074	-0.0010	0.0174	0.0050	-0.1037	0.1151	0.0233	-0.0418	0.2056	-0.3655
19	24.31	-0.01	-0.3205	-0.0109	0.0022	0.0331	0.1704	0.1593	0.0330	-0.0155	0.2071	-0.0555
20	26.32	0.01	-0.1100	0.0	0.0411	0.0	-0.3403	0.2708	0.0436	0.0313	0.1571	0.1121
21	28.35	0.05	0.0550	0.0134	0.1550	0.1430	1.4475	0.3398	0.0464	0.0590	0.1366	0.1738
22	28.44	0.03	0.0111	0.0060	0.1026	0.1513	0.2435	0.3132	0.0404	0.0544	0.1458	0.1710
23	28.81	0.05	-0.0115	0.0052	0.0501	-0.4350	-0.0776	0.3204	0.0471	0.0574	0.1465	0.1792
24	29.00	0.05	-0.0215	0.0043	0.0054	-0.2100	-0.9910	0.3201	0.0481	0.0621	0.1501	0.1541
25	29.30	0.02	-0.0055	0.0040	0.0545	-0.4164	-0.9898	0.3296	0.0483	0.0658	0.1467	0.1556
26	29.71	0.03	0.0472	0.0045	0.1202	0.1043	2.7178	0.3245	0.0481	0.0676	0.1458	0.2053
27	29.99	0.05	-0.0437	0.0013	0.0735	-0.0267	-1.6939	0.3313	0.0485	0.0744	0.1465	0.2243
28	30.28	0.03	0.0747	0.0044	0.1550	0.0659	1.7920	0.3428	0.0481	0.0857	0.1402	0.2495
29	30.57	0.05	0.0024	0.0030	0.1038	1.4800	4.0000	0.3508	0.0484	0.0564	0.1350	0.2686
30	30.84	0.06	0.1570	0.0074	0.1402	0.0370	0.9924	0.3515	0.0468	0.0975	0.1331	0.2775
31	31.11	0.05	0.0045	0.0055	0.1201	0.0652	1.9537	0.3651	0.0484	0.1043	0.1327	0.2857
32	31.39	0.07	0.0213	0.0013	0.1092	0.0508	0.1422	0.3697	0.0491	0.1076	0.1320	0.2510
33	31.65	0.04	0.0700	-0.0013	0.1303	-0.0155	1.7160	0.3634	0.0500	0.1134	0.1303	0.2557
34	31.95	0.06	0.0004	-0.0015	0.1051	-0.0330	1.7130	0.3904	0.0508	0.1187	0.1300	0.3040
35	32.23	0.03	-0.0574	-0.0055	0.0653	0.0550	-1.1370	0.4021	0.0514	0.1244	0.1279	0.3093
36	32.51	0.04	0.0537	-0.0020	0.1270	-0.0405	2.3768	0.4006	0.0511	0.1296	0.1251	0.3171
37	32.77	0.02	-0.0548	-0.0050	0.0531	0.0011	-0.5601	0.4161	0.0521	0.1322	0.1246	0.3162
38	33.04	0.02	-0.1110	-0.0094	0.0100	0.0574	-0.1110	0.4246	0.0530	0.1356	0.1247	0.3192
39	33.25	0.05	-0.0745	-0.0062	0.0675	0.0625	-0.9072	0.4176	0.0521	0.1340	0.1248	0.3205
40	33.57	0.02	-0.1550	-0.0060	0.0175	0.0607	-0.1152	0.4242	0.0513	0.1391	0.1210	0.3280
41	33.80	0.01	-0.0540	-0.0050	0.0525	0.0612	-0.5592	0.4355	0.0499	0.1465	0.1145	0.3363
42	34.00	0.03	-0.0721	-0.0055	0.0635	0.0703	-0.8009	0.4370	0.0490	0.1475	0.1133	0.3372
43	34.33	0.01	-0.1200	-0.0052	0.0320	0.0434	-0.2733	0.4655	0.0481	0.1657	0.1034	0.3559
44	34.50	0.00	-0.0040	-0.0010	0.0605	0.0250	-1.0392	0.4720	0.0472	0.1672	0.0550	0.3538
45	34.63	0.02	-0.0050	0.0	0.0507	0.0	-10.0294	0.4681	-0.0472	0.1720	0.0567	0.3524
46	35.00	0.02	-0.0571	0.0	0.0750	0.0	-2.0304	0.4973	0.0474	0.1704	0.0453	0.3587

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PACF RIX10-6			PHI CLNF		L		CEL1 CEL2 CEL3 CEL4 TRANSITION					
7 129 1.10 1.7			C.C B10CF23 C.C		U -30 U -30		UNKNOWN					
FCINT	ALPHA	BETA	CLNF1	CH1	Col	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	35.33	0.03	-0.0013	-0.0013	0.0588	-1.0000	-78.7692	0.5044	0.0479	0.1762	0.0949	0.3493
48	35.57	0.02	-0.0076	-0.0025	0.0434	-0.0296	-0.4447	0.5161	0.0467	0.1522	0.0901	0.3705
49	35.83	0.01	-0.0210	0.0003	0.0646	-0.0138	-4.0229	0.5177	0.0461	0.1521	0.0891	0.3710
50	36.06	0.02	-0.0073	-0.0007	0.0595	0.0100	-0.8840	0.5248	0.0454	0.1504	0.0866	0.3741
51	36.31	0.00	0.0000	0.0032	0.1025	0.4714	15.1714	0.5155	0.0426	0.1546	0.0831	0.3775
52	36.56	0.01	-0.0041	0.0016	0.0613	-0.0303	-2.7550	0.4970	0.0436	0.1637	0.0877	0.3696
53	36.78	0.01	-0.0735	-0.0003	0.0607	0.0035	-0.8211	0.5105	0.0417	0.1540	0.0816	0.3801
54	37.00	0.02	-0.1030	-0.0013	0.0415	0.0121	-0.4033	0.5502	0.0410	0.2113	0.0745	0.3841
55	37.26	0.01	-0.0354	0.0016	0.0763	-0.0417	-1.9387	0.5267	0.0391	0.2066	0.0735	0.3907
56	37.50	0.01	-0.0610	0.00	0.0501	0.00	-0.0001	0.5421	0.0391	0.2130	0.0721	0.3930
57	37.73	-0.00	-0.0634	0.0007	0.0620	-0.0107	-0.5878	0.5397	0.0381	0.2147	0.0706	0.3976
58	37.97	0.02	-0.0614	0.0016	0.0635	-0.0267	-1.0409	0.5565	0.0365	0.2218	0.0653	0.3972
59	38.20	-0.01	-0.0314	0.0026	0.0600	-0.0831	-2.5754	0.5700	0.0367	0.2266	0.0643	0.3974
60	38.42	-0.01	-0.0457	0.0026	0.0750	-0.0570	-1.6540	0.5502	0.0365	0.2170	0.0656	0.3901
61	38.66	-0.02	-0.0432	0.0032	0.0723	-0.0737	-1.6719	0.5979	0.0353	0.2415	0.0591	0.4045
62	38.90	-0.00	-0.0590	0.0015	0.0666	-0.0324	-1.1197	0.5747	0.0360	0.2306	0.0626	0.4013
63	39.12	-0.01	-0.0560	0.0015	0.0706	-0.0333	-1.2160	0.5960	0.0355	0.2381	0.0594	0.3982
64	39.34	-0.02	-0.0591	0.0026	0.0623	-0.0440	-1.0338	0.6305	0.0348	0.2539	0.0552	0.4026
65	39.57	-0.01	-0.0574	0.0026	0.0662	-0.0454	-1.1529	0.6352	0.0360	0.2543	0.0567	0.4004
66	39.81	-0.00	-0.0641	0.0003	0.0508	-0.0034	-0.6755	0.6350	0.0370	0.2565	0.0561	0.4034
67	40.02	-0.00	-0.0361	0.0042	0.0647	-0.1266	-1.6987	0.7036	0.0372	0.2770	0.0529	0.3937
68	40.24	-0.01	-0.0462	0.0036	0.0612	-0.0772	-1.3236	0.6606	0.0372	0.2676	0.0555	0.4014
69	40.44	-0.01	-0.0564	0.0020	0.0552	-0.0440	-0.9455	0.6668	0.0372	0.2629	0.0555	0.3943
70	40.66	-0.01	-0.0254	0.0066	0.0631	-0.2295	-2.1443	0.7002	0.0331	0.2784	0.0538	0.3931
71	40.85	0.00	-0.0634	0.0020	0.0437	-0.0411	-0.6695	0.7198	0.0360	0.2841	0.0536	0.3946
72	41.07	-0.00	-0.0656	0.0003	0.0347	-0.0034	-0.4049	0.7038	0.0364	0.2791	0.0544	0.3955
73	41.29	-0.02	-0.1035	-0.0010	0.0255	-0.0093	-0.2651	0.7292	0.0369	0.2367	0.0533	0.3931
74	41.48	-0.02	-0.0911	-0.0010	0.0255	-0.0106	-0.2639	0.7430	0.0393	0.2434	0.0529	0.3945
75	41.70	-0.02	-0.0575	-0.0010	0.0261	-0.0099	-0.2583	0.7613	0.0391	0.2967	0.0513	0.3897
76	41.90	-0.02	-0.0536	0.0032	0.0336	-0.0595	-0.6306	0.7801	0.0349	0.3002	0.0512	0.3848
77	42.10	-0.04	-0.1556	-0.0020	-0.0025	-0.0514	0.0161	0.7613	0.0402	0.2945	0.0529	0.3873
78	42.30	-0.03	-0.1575	-0.0157	-0.0275	-0.0790	0.1392	0.7776	0.0409	0.3000	0.0526	0.3858
79	42.50	-0.01	-0.2672	-0.0232	-0.0526	-0.0667	0.1975	0.7665	0.0407	0.2974	0.0531	0.3880
80	42.69	-0.03	-0.1005	-0.0051	0.0115	0.0472	-0.1094	0.7945	0.0440	0.3035	0.0554	0.3820
81	42.83	-0.01	-0.1000	-0.0132	-0.0215	-0.0783	0.1275	0.8006	0.0443	0.3063	0.0553	0.3827
82	43.07	-0.03	-0.2051	-0.0264	-0.0538	-0.1070	0.2031	0.8006	0.0433	0.3044	0.0541	0.3802
83	43.26	-0.03	-0.2383	-0.0242	-0.0481	-0.1016	0.1935	0.8146	0.0434	0.3075	0.0558	0.3775
84	43.42	-0.03	-0.2031	-0.0204	-0.0307	-0.1002	0.1805	0.8146	0.0467	0.3048	0.0573	0.3742
85	43.60	-0.01	-0.1641	-0.0154	-0.0231	-0.0541	0.1405	0.8240	0.0461	0.3065	0.0583	0.3720
86	43.79	-0.01	-0.1513	-0.0145	-0.0234	-0.0557	0.1550	0.8334	0.0465	0.3073	0.0554	0.3688
87	43.98	-0.01	-0.1926	-0.0213	-0.0350	-0.1107	0.1849	0.8317	0.0490	0.3084	0.0589	0.3684
88	44.17	-0.02	-0.2416	-0.0266	-0.0555	-0.1109	0.2310	0.8409	0.0490	0.3147	0.0586	0.3708
89	44.33	-0.01	-0.1302	-0.0120	-0.0153	-0.0516	0.1477	0.8630	0.0503	0.3177	0.0583	0.3682
90	44.51	-0.02	-0.0773	-0.0042	-0.0002	-0.0545	0.0025	0.8678	0.0505	0.3172	0.0581	0.3658
91	44.71	-0.02	-0.0628	-0.0048	-0.0082	-0.0583	0.0991	0.8703	0.0506	0.3138	0.0583	0.3605
92	44.88	-0.02	-0.2275	-0.0252	-0.0645	-0.1105	0.2028	0.8444	0.0524	0.3051	0.0626	0.3613

PAGE 2 OF 3
 SHEET 3 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

PCINT	TEST PACT HALF RATIO=		PHI	CONF	L	CEL1	CEL2	CEL3	CEL4	TRANSITION	XCPF1	YCPF1	XCPF2	YCPF2
	7	129 1.10 1.7												
PCINT	ALPHA	BETA	CONF1	CONF2	C.C	CEL1	CEL2	CEL3	CEL4	TRANSITION	XCPF1	YCPF1	XCPF2	YCPF2
93	45.07	0.00	0.0013	0.0071	0.0400	5.8923	31.9231	0.8886	0.0514	0.3110	0.0592	0.3580	0.3551	0.3551
94	45.27	0.00	0.0012	0.0063	0.0411	0.1030	0.2300	0.8840	0.0519	0.3060	0.0601	0.3551	0.3551	0.3551
95	45.44	0.00	0.0013	0.0073	0.0534	0.1108	0.2761	0.8856	0.0525	0.3074	0.0606	0.3551	0.3551	0.3551
96	45.61	0.00	0.0047	0.0066	0.0613	0.1797	0.1333	0.8811	0.0520	0.3014	0.0604	0.3550	0.3550	0.3550
97	45.79	0.00	0.0067	0.0063	0.0666	0.3778	0.1933	0.8855	0.0523	0.2871	0.0626	0.3437	0.3437	0.3437
98	45.98	0.00	0.0051	0.0067	0.0604	0.1919	0.1919	0.8850	0.0531	0.2926	0.0630	0.3471	0.3471	0.3471
99	46.15	0.00	0.0016	0.0061	0.0432	0.1255	0.2646	0.8874	0.0524	0.3034	0.0604	0.3457	0.3457	0.3457
100	46.31	0.00	0.0044	0.0074	0.0470	0.1232	0.3242	0.8835	0.0526	0.2937	0.0616	0.3441	0.3441	0.3441
101	46.46	0.00	0.0074	0.0073	0.0506	0.0489	0.0122	0.8815	0.0514	0.2879	0.0604	0.3381	0.3381	0.3381
102	46.60	0.00	0.0041	0.0043	0.0477	0.1372	0.2660	0.8897	0.0529	0.2814	0.0630	0.3351	0.3351	0.3351
103	46.86	0.00	0.0005	0.0065	0.0343	0.1401	0.2842	0.8841	0.0539	0.2825	0.0596	0.3308	0.3308	0.3308
104	47.02	0.00	0.0070	0.0079	0.0335	0.1659	0.3148	0.8706	0.0512	0.2807	0.0588	0.3293	0.3293	0.3293
105	47.19	0.00	0.0000	0.0066	0.0316	0.1537	0.2958	0.8894	0.0514	0.2849	0.0598	0.3315	0.3315	0.3315
106	47.37	0.00	0.0001	0.0070	0.0320	0.1625	0.2984	0.8858	0.0523	0.2859	0.0604	0.3302	0.3302	0.3302
107	47.54	0.00	0.0078	0.0066	0.0333	0.2105	0.2962	0.8804	0.0549	0.2833	0.0561	0.3218	0.3218	0.3218
108	47.70	0.00	0.0005	0.0055	0.0347	0.3892	0.3545	0.9276	0.0465	0.3023	0.0523	0.3259	0.3259	0.3259
109	47.89	0.00	0.0027	0.0078	0.0305	0.4106	0.3950	0.9411	0.0481	0.3055	0.0512	0.3285	0.3285	0.3285
110	48.06	0.00	0.0007	0.0068	0.0327	0.6232	0.4050	0.9139	0.0480	0.2895	0.0525	0.3167	0.3167	0.3167
111	48.24	0.00	0.0052	0.0023	0.0361	0.0260	0.4046	0.9439	0.0469	0.3022	0.0457	0.3201	0.3201	0.3201
112	48.42	0.00	0.0072	0.0068	0.0368	0.0704	0.4097	0.9811	0.0408	0.2856	0.0463	0.3615	0.3615	0.3615
113	48.59	0.00	0.0000	0.0050	0.0353	0.1156	0.4355	0.9524	0.0462	0.2558	0.0542	0.3061	0.3061	0.3061
114	48.70	0.00	0.0033	0.0041	0.0297	0.1753	0.4595	0.9100	0.0477	0.2402	0.0584	0.3039	0.3039	0.3039
115	48.93	0.00	0.0074	0.0024	0.0358	0.1555	0.5000	0.9355	0.0479	0.2554	0.0573	0.3057	0.3057	0.3057
116	49.11	0.00	0.0000	0.0044	0.0335	0.1602	0.5140	0.9166	0.0469	0.2510	0.0574	0.3073	0.3073	0.3073
117	49.27	0.00	0.0010	0.0078	0.0340	0.3584	0.5816	0.9021	0.0477	0.2507	0.0594	0.3125	0.3125	0.3125
118	49.44	0.00	0.0000	0.0000	0.0041	0.5000	0.2500	0.9789	0.0464	0.2406	0.0585	0.3136	0.3136	0.3136
119	49.65	0.00	0.0028	0.0057	0.0157	0.5471	0.5601	0.9194	0.0467	0.2369	0.0570	0.3138	0.3138	0.3138
120	49.80	0.00	0.0028	0.0055	0.0025	0.1034	0.1034	0.9125	0.0444	0.2510	0.0546	0.3057	0.3057	0.3057
121	49.97	0.00	0.0001	0.0000	0.0004	0.7254	0.7254	0.8077	0.0455	0.2503	0.0564	0.3055	0.3055	0.3055
122	50.16	0.00	0.0007	0.0044	0.0004	0.7391	0.0580	0.8173	0.0436	0.2520	0.0534	0.3083	0.3083	0.3083
123	50.32	0.00	0.0020	0.0052	0.0015	0.0000	0.7457	0.8275	0.0444	0.2549	0.0536	0.3081	0.3081	0.3081
124	50.50	0.00	0.0000	0.0000	0.0037	0.1744	0.1310	0.7902	0.0401	0.2327	0.0508	0.2945	0.2945	0.2945
125	50.60	0.00	0.0000	0.0000	0.0000	0.3628	0.0796	0.8154	0.0420	0.2452	0.0515	0.3007	0.3007	0.3007
126	50.80	0.00	0.0014	0.0033	0.0000	0.2667	0.2667	0.8225	0.0420	0.2465	0.0510	0.3022	0.3022	0.3022
127	51.03	0.00	0.0035	0.0020	0.0001	0.7500	0.7500	0.8111	0.0398	0.2372	0.0451	0.2524	0.2524	0.2524
128	51.21	0.00	0.0013	0.0000	0.0000	0.0769	0.3846	0.8134	0.0392	0.2343	0.0482	0.2542	0.2542	0.2542
129	51.35	0.00	0.0014	0.0023	0.0035	0.7143	0.3571	0.8135	0.0397	0.2374	0.0487	0.2518	0.2518	0.2518
130	51.53	0.00	0.0011	0.0023	0.0000	0.1018	0.0909	0.7805	0.0392	0.2233	0.0502	0.2601	0.2601	0.2601
131	51.72	0.00	0.0010	0.0020	0.0000	0.7000	0.7000	0.8110	0.0400	0.2391	0.0494	0.2548	0.2548	0.2548
132	51.90	0.00	0.0000	0.0015	0.0004	0.2222	0.2222	0.8142	0.0398	0.2367	0.0489	0.2567	0.2567	0.2567
133	52.00	0.00	0.0014	0.0015	0.0011	0.3333	0.78667	0.8046	0.0406	0.2321	0.0505	0.2884	0.2884	0.2884
134	52.22	0.00	0.0034	0.0020	0.0001	0.7714	0.28857	0.7716	0.0398	0.2198	0.0516	0.2845	0.2845	0.2845
135	52.35	0.00	0.0004	0.0015	0.0011	0.0000	0.365000	0.7768	0.0401	0.2223	0.0517	0.2862	0.2862	0.2862
136	52.50	0.00	0.0022	0.0015	0.0011	0.0000	0.0000	0.7869	0.0411	0.2252	0.0522	0.2862	0.2862	0.2862
137	52.73	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.7750	0.0414	0.2223	0.0534	0.2865	0.2865	0.2865
138	52.89	0.00	0.0013	0.0033	0.0000	0.2017	0.08184	0.7916	0.0406	0.2243	0.0513	0.2857	0.2857	0.2857

PAGE 2 OF 3
SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART NACH KXIC-6			PHI CNF		DEL1 DEL2		DEL3 DEL4		TRANSITION			
7 129 1.10 1.7			C.C. 81mDF23 C.O		J -30		0 -30		UNKNOWN			
FLINT	ALPHA	BETA	CNF1	CHI	CBI	ACPF1	YCPF1	CNF2	CHI2	Co2	XCPF2	YCPF2
139	53.05	0.01	-0.0023	0.0033	0.0133	-0.3953	-0.0046	0.7916	0.0416	0.2275	0.0525	0.2876
140	53.24	0.01	-0.0115	0.0033	0.0115	-0.3119	-0.3303	0.8010	0.0410	0.2330	0.0519	0.2909
141	53.43	0.02	-0.0167	0.0030	0.0105	-0.2135	-0.6301	0.7823	0.0430	0.2230	0.0550	0.2851
142	53.57	-0.00	-0.0160	0.0040	0.0092	-0.2304	-0.3814	0.7758	0.0420	0.2168	0.0546	0.2795
143	53.72	0.00	-0.0154	0.0036	0.0113	-0.1876	-0.5939	0.7666	0.0426	0.2144	0.0554	0.2765
144	53.92	0.00	-0.0232	0.0040	0.0090	-0.1700	-0.3675	0.7607	0.0420	0.2220	0.0592	0.2632
145	54.05	-0.01	-0.0128	0.0023	0.0095	-0.1744	-0.5026	0.7844	0.0425	0.2158	0.0547	0.2802
146	54.24	0.01	-0.0232	0.0040	0.0090	-0.1633	-0.3875	0.7773	0.0422	0.2163	0.0542	0.2783
147	54.38	-0.02	-0.0316	0.0040	0.0063	-0.1254	-0.1386	0.7750	0.0417	0.2152	0.0538	0.2776
148	54.55	-0.02	-0.0350	0.0042	0.0045	-0.1100	-0.1375	0.7512	0.0417	0.2065	0.0535	0.2749
149	54.70	-0.01	-0.0360	0.0040	0.0062	-0.1095	-0.1677	0.7470	0.0433	0.2091	0.0540	0.2795
150	54.88	-0.02	-0.0316	0.0040	0.0063	-0.1254	-0.1400	0.7571	0.0413	0.2120	0.0545	0.2800
151	55.02	-0.02	-0.0317	0.0033	0.0071	-0.1033	-0.2245	0.7484	0.0416	0.2056	0.0556	0.2800
152	55.19	-0.02	-0.0316	0.0033	0.0062	-0.1037	-0.1951	0.7539	0.0419	0.2101	0.0555	0.2788
153	55.35	-0.01	-0.0376	0.0037	0.0062	-0.0565	-0.0740	0.7538	0.0409	0.2125	0.0543	0.2825
154	55.50	-0.01	-0.0315	0.0037	0.0044	-0.1100	-0.1411	0.7443	0.0404	0.2053	0.0543	0.2812
155	55.65	-0.02	-0.0315	0.0033	0.0053	-0.1043	-0.1667	0.7579	0.0411	0.2141	0.0542	0.2825
156	55.81	-0.02	-0.0355	0.0030	0.0030	-0.0340	-0.0642	0.7478	0.0408	0.2112	0.0546	0.2825
157	55.95	-0.03	-0.0333	0.0033	0.0023	-0.0560	-0.0596	0.7654	0.0401	0.2168	0.0522	0.2818
158	56.13	-0.03	-0.0314	0.0033	0.0043	-0.1040	-0.1305	0.7693	0.0398	0.2178	0.0510	0.2831
159	56.31	-0.04	-0.0376	0.0033	0.0012	-0.0872	-0.0467	0.7431	0.0403	0.2071	0.0543	0.2786
160	56.47	-0.03	-0.0350	0.0033	0.0030	-0.0921	-0.0840	0.7622	0.0395	0.2153	0.0518	0.2824
161	56.61	-0.04	-0.0356	0.0030	0.0030	-0.0640	-0.0840	0.7733	0.0395	0.2165	0.0510	0.2800
162	56.70	-0.04	-0.0356	0.0033	0.0030	-0.0921	-0.0840	0.7590	0.0390	0.2143	0.0514	0.2824
163	56.95	-0.03	-0.0337	0.0033	0.0051	-0.0974	-0.1519	0.7685	0.0390	0.2185	0.0507	0.2845
164	57.10	0.02	-0.0402	0.0037	0.0044	-0.0911	-0.1103	0.7447	0.0390	0.2093	0.0523	0.2810
165	57.26	-0.03	-0.0353	0.0030	0.0131	-0.1550	-0.6800	0.7805	0.0380	0.2226	0.0487	0.2854
166	57.41	-0.08	-0.0300	0.0020	0.0110	-0.0869	-0.3000	0.7567	0.0380	0.2122	0.0502	0.2604
167	57.58	-0.05	-0.0442	0.0033	0.0038	-0.0733	-0.1293	0.7590	0.0375	0.2171	0.0455	0.2860
168	57.64	-0.07	-0.0451	0.0033	0.0065	-0.0720	-0.1804	0.7473	0.0375	0.2154	0.0501	0.2874
169	57.88	-0.05	-0.0515	0.0037	0.0065	-0.0712	-0.1348	0.7781	0.0367	0.2254	0.0471	0.2857
170	58.00	-0.03	-0.0497	0.0031	0.0054	-0.0730	-0.2000	0.7877	0.0362	0.2281	0.0459	0.2896
171	58.13	-0.05	-0.0515	0.0033	0.0047	-0.0632	-0.1877	0.8220	0.0350	0.2455	0.0426	0.2986
172	58.29	0.01	-0.0515	0.0033	0.0081	-0.0903	-0.1391	0.8291	0.0352	0.2680	0.0425	0.2991
173	58.42	-0.05	-0.0544	0.0033	0.0123	-0.0603	-0.2252	0.8054	0.0345	0.2364	0.0429	0.2935
174	58.54	-0.05	-0.0607	0.0026	0.0100	-0.0425	-0.1749	0.8401	0.0338	0.2513	0.0394	0.2970
175	58.72	-0.02	-0.0672	0.0022	0.0050	-0.0368	-0.1336	0.8707	0.0329	0.2601	0.0378	0.2982

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	PACH	XXIC#6	PHI	CNPF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	129	1.10	1.7	C.C	BLINCF3	C.C	U	-30	U	-30	UNKNOWN	
PCINT	ALPHA	BETA	CNFB	CM3	CM5	ACPF3	YLPF3	CNF4	CM4	CB4	ACPF4	YCPF4
1	-5.40	0.00	0.092	5.5555	0.0241	5.5555	0.2456	-1.4277	0.0270	-0.5567	-0.0189	0.3899
2	-5.41	0.00	0.1071	5.5555	0.0246	5.5555	0.2315	-1.4361	0.0265	-0.5567	-0.0185	0.3890
3	-5.40	0.00	0.0923	5.5555	0.0233	5.5555	0.2365	-1.4314	0.0270	-0.5552	-0.0185	0.3507
4	-4.62	0.01	0.0855	5.5555	0.0226	5.5555	0.2522	-1.4457	0.0247	-0.5732	-0.0171	0.3565
5	-2.71	0.01	0.0825	5.5555	0.0225	5.5555	0.2755	-1.4458	0.0239	-0.5642	-0.0166	0.4041
6	-0.88	0.00	0.0517	5.5555	0.0253	5.5555	0.2750	-1.4354	0.0156	-0.5666	-0.0109	0.4053
7	1.03	0.00	0.0875	5.5555	0.0181	5.5555	0.2073	-1.3493	0.0119	-0.5535	-0.0068	0.4103
8	2.45	0.01	0.1125	5.5555	0.0202	5.5555	0.1961	-1.2616	0.0014	-0.5085	-0.0011	0.4030
9	4.65	0.01	0.1182	5.5555	0.0223	5.5555	0.1586	-1.1943	-0.0116	-0.4736	0.0097	0.3565
10	6.71	0.01	0.1127	5.5555	0.0142	5.5555	0.1564	-1.1251	-0.0135	-0.4523	0.0120	0.4026
11	6.61	0.00	0.1182	5.5555	0.0137	5.5555	0.1155	-1.0078	-0.0107	-0.4052	0.0106	0.4021
12	10.40	0.01	0.1355	5.5555	0.0185	5.5555	0.1363	-0.8791	-0.0111	-0.3519	0.0126	0.4003
13	12.41	0.01	0.1205	5.5555	0.0096	5.5555	0.0790	-0.7147	-0.0094	-0.2788	0.0139	0.3900
14	14.33	0.01	0.1257	5.5555	0.0103	5.5555	0.0746	-0.5101	-0.0050	-0.2234	0.0098	0.4379
15	16.33	0.00	0.1162	5.5555	0.0058	5.5555	0.0495	-0.3746	0.0041	-0.1355	-0.0108	0.3617
16	18.32	0.00	0.1187	5.5555	0.0067	5.5555	0.0571	-0.2331	0.0104	-0.0672	-0.0447	0.2881
17	20.28	0.01	0.1231	5.5555	0.0085	5.5555	0.0721	-0.1477	0.0147	-0.0178	-0.0993	0.1202
18	22.27	0.02	0.1365	5.5555	0.0155	5.5555	0.1170	-0.1066	0.0277	0.0091	-0.2597	-0.0851
19	24.31	0.01	0.1247	5.5555	0.0103	5.5555	0.0796	-0.0205	0.0367	0.0480	-1.7924	-2.3443
20	26.32	0.01	0.1245	5.5555	0.0120	5.5555	0.0924	0.0315	0.0459	0.0788	1.4601	2.5061
21	28.35	0.05	0.1485	5.5555	0.0221	5.5555	0.1484	0.0620	0.0516	0.0588	0.8320	1.5925
22	29.44	0.03	0.1552	5.5555	0.0243	5.5555	0.1366	0.0778	0.0478	0.1105	0.6141	1.4206
23	28.81	0.03	0.1423	5.5555	0.0181	5.5555	0.1275	0.0902	0.0476	0.1195	0.5273	1.3251
24	27.06	0.05	0.1556	5.5555	0.0240	5.5555	0.1542	0.1120	0.0449	0.1321	0.4367	1.1792
25	25.36	0.02	0.1423	5.5555	0.0173	5.5555	0.1214	0.1142	0.0449	0.1351	0.4367	1.1824
26	25.71	0.03	0.1555	5.5555	0.0226	5.5555	0.1433	0.1387	0.0502	0.1469	0.3616	1.0591
27	25.59	0.05	0.1638	5.5555	0.0250	5.5555	0.1525	0.1654	0.0512	0.1607	0.3058	0.9714
28	30.20	0.03	0.1487	5.5555	0.0195	5.5555	0.1311	0.1871	0.0530	0.1733	0.2831	0.9263
29	30.57	0.05	0.1421	5.5555	0.0164	5.5555	0.1154	0.1946	0.0519	0.1791	0.2667	0.9202
30	30.64	0.06	0.1506	5.5555	0.0205	5.5555	0.1358	0.2138	0.0526	0.1865	0.2459	0.8818
31	31.11	0.05	0.1478	5.5555	0.0180	5.5555	0.1272	0.2211	0.0528	0.1535	0.2388	0.8752
32	31.34	0.07	0.1546	5.5555	0.0233	5.5555	0.1504	0.2305	0.0526	0.0692	0.2055	0.8351
33	31.62	0.04	0.1502	5.5555	0.0238	5.5555	0.1586	0.3065	0.0508	0.2312	0.1657	0.7532
34	31.55	0.06	0.1565	5.5555	0.0262	5.5555	0.1651	0.2671	0.0516	0.2271	0.1804	0.7910
35	32.23	0.03	0.1417	5.5555	0.0185	5.5555	0.1334	0.2920	0.0523	0.2311	0.1751	0.7415
36	32.51	0.04	0.1487	5.5555	0.0196	5.5555	0.1057	0.3015	0.0523	0.2334	0.1734	0.7741
37	32.77	0.02	0.1288	5.5555	0.0153	5.5555	0.1193	0.3191	0.0504	0.2418	0.1578	0.7578
38	32.04	0.02	0.1265	5.5555	0.0153	5.5555	0.1194	0.3309	0.0508	0.2444	0.1537	0.7387
39	33.29	0.03	0.1436	5.5555	0.0225	5.5555	0.1566	0.3603	0.0504	0.2573	0.1398	0.7142
40	33.37	0.02	0.1433	5.5555	0.0241	5.5555	0.1603	0.3792	0.0506	0.2602	0.1333	0.6863
41	33.80	0.01	0.1211	5.5555	0.0186	5.5555	0.1453	0.3743	0.0503	0.2633	0.1343	0.7035
42	34.06	0.03	0.1366	5.5555	0.0210	5.5555	0.1540	0.3983	0.0500	0.2711	0.1255	0.6807
43	34.33	0.01	0.1155	5.5555	0.0120	5.5555	0.1073	0.3837	0.0502	0.2675	0.1308	0.6570
44	34.36	0.00	0.1238	5.5555	0.0166	5.5555	0.1341	0.4010	0.0493	0.2749	0.1230	0.6855
45	34.23	0.02	0.1277	5.5555	0.0155	5.5555	0.1526	0.4275	0.0468	0.2861	0.1095	0.6691
46	35.06	0.04	0.1256	5.5555	0.0184	5.5555	0.1467	0.4303	0.0454	0.2869	0.1056	0.6713

PAGE 3 OF 3
SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIS-E PHI CONF L CELL DELZ CELL3 DEL4 TRANSITION												
7 129 1.10 1.7 C.C BLMCF3 C.C 0 -30 0 -30 UNKNOWN												
PCINT	ALPHA	BETA	CONF	CH3	CB3	XCPF3	YCPF3	CONF	CH4	CB4	XCPF4	YCPF4
47	35.33	0.03	0.1192	5.5555	0.0162	5.5555	0.1360	0.4668	0.0450	0.3006	0.0963	0.6439
48	35.57	0.02	0.1213	5.5555	0.0173	5.5555	0.1424	0.4277	0.0463	0.2406	0.1083	0.6794
49	35.83	0.01	0.1188	5.5555	0.0165	5.5555	0.1445	0.4614	0.0458	0.2991	0.0993	0.6483
50	36.06	0.02	0.1275	5.5555	0.0236	5.5555	0.1855	0.4640	0.0453	0.3020	0.0977	0.6505
51	36.31	0.00	0.1275	5.5555	0.0238	5.5555	0.1855	0.5007	0.0440	0.3145	0.0879	0.6281
52	36.52	0.01	0.1531	5.5555	0.0333	5.5555	0.2174	0.5199	0.0445	0.3176	0.0856	0.6110
53	36.76	0.01	0.1422	5.5555	0.0313	5.5555	0.2101	0.5296	0.0430	0.3234	0.0813	0.6107
54	37.00	0.02	0.1315	5.5555	0.0266	5.5555	0.1925	0.4679	0.0452	0.3086	0.0925	0.6312
55	37.26	0.01	0.1337	5.5555	0.0241	5.5555	0.1804	0.5268	0.0430	0.3239	0.0817	0.6148
56	37.50	0.01	0.1315	5.5555	0.0225	5.5555	0.1695	0.5338	0.0420	0.3267	0.0786	0.6121
57	37.73	0.00	0.1273	5.5555	0.0263	5.5555	0.1572	0.5167	0.0425	0.3216	0.0822	0.6213
58	37.97	0.02	0.1316	5.5555	0.0266	5.5555	0.1662	0.5264	0.0423	0.3235	0.0803	0.6146
59	38.20	0.01	0.1145	5.5555	0.0142	5.5555	0.1236	0.5142	0.0429	0.3200	0.0835	0.6223
60	38.44	0.01	0.1360	5.5555	0.0236	5.5555	0.1713	0.5727	0.0466	0.3364	0.0769	0.5968
61	38.66	0.02	0.1209	5.5555	0.0172	5.5555	0.1421	0.5236	0.0436	0.3234	0.0833	0.6177
62	38.90	0.00	0.1461	5.5555	0.0246	5.5555	0.1756	0.5722	0.0429	0.3404	0.0750	0.5949
63	39.12	0.01	0.1145	5.5555	0.0142	5.5555	0.1236	0.5502	0.0441	0.3343	0.0801	0.6077
64	39.34	0.02	0.1209	5.5555	0.0172	5.5555	0.1421	0.5131	0.0472	0.3202	0.0920	0.6241
65	39.57	0.01	0.1126	5.5555	0.0097	5.5555	0.0865	0.5473	0.0459	0.3325	0.0835	0.6075
66	39.81	0.00	0.1146	5.5555	0.0106	5.5555	0.0941	0.5662	0.0451	0.3464	0.0765	0.5913
67	40.02	0.00	0.1041	5.5555	0.0074	5.5555	0.0714	0.5225	0.0495	0.3265	0.0947	0.6252
68	40.24	0.01	0.1145	5.5555	0.0106	5.5555	0.0940	0.5544	0.0458	0.3361	0.0890	0.6007
69	40.44	0.01	0.1233	5.5555	0.0162	5.5555	0.1479	0.5643	0.0501	0.3352	0.0887	0.6011
70	40.64	0.01	0.1211	5.5555	0.0155	5.5555	0.1263	0.5369	0.0509	0.3307	0.0945	0.6158
71	40.85	0.00	0.1055	5.5555	0.0135	5.5555	0.1275	0.5757	0.0507	0.3434	0.0880	0.5964
72	41.07	0.00	0.1103	5.5555	0.0155	5.5555	0.1404	0.6196	0.0493	0.3562	0.0796	0.5786
73	41.27	0.02	0.1100	5.5555	0.0206	5.5555	0.1668	0.6122	0.0500	0.3558	0.0816	0.5812
74	41.46	0.02	0.1100	5.5555	0.0206	5.5555	0.1666	0.6241	0.0503	0.3616	0.0799	0.5748
75	41.70	0.02	0.0971	5.5555	0.0161	5.5555	0.1660	0.6311	0.0500	0.3624	0.0792	0.5742
76	41.90	0.02	0.1034	5.5555	0.0192	5.5555	0.1656	0.6135	0.0525	0.3541	0.0856	0.5772
77	42.10	0.04	0.0992	5.5555	0.0180	5.5555	0.1819	0.6499	0.0518	0.3675	0.0797	0.5655
78	42.30	0.03	0.0905	5.5555	0.0165	5.5555	0.1823	0.6665	0.0526	0.3679	0.0792	0.5526
79	42.50	0.01	0.0965	5.5555	0.0229	5.5555	0.2361	0.6937	0.0523	0.3800	0.0794	0.5477
80	42.69	0.03	0.0965	5.5555	0.0161	5.5555	0.2004	0.6492	0.0563	0.3627	0.0868	0.5587
81	42.86	0.01	0.0950	5.5555	0.0185	5.5555	0.1745	0.6671	0.0566	0.3655	0.0852	0.5479
82	43.07	0.03	0.0952	5.5555	0.0223	5.5555	0.2247	0.6964	0.0562	0.3766	0.0866	0.5407
83	43.26	0.03	0.0928	5.5555	0.0201	5.5555	0.2162	0.6813	0.0581	0.3738	0.0852	0.5489
84	43.42	0.03	0.0885	5.5555	0.0165	5.5555	0.2157	0.6512	0.0588	0.3694	0.0863	0.5422
85	43.60	0.01	0.1013	5.5555	0.0250	5.5555	0.2467	0.6660	0.0614	0.3668	0.0921	0.5478
86	43.79	0.01	0.0970	5.5555	0.0236	5.5555	0.2456	0.6755	0.0618	0.3665	0.0914	0.5425
87	43.96	0.01	0.1055	5.5555	0.0304	5.5555	0.2382	0.6907	0.0616	0.3714	0.0891	0.5377
88	44.17	0.02	0.0970	5.5555	0.0272	5.5555	0.2306	0.6739	0.0633	0.3569	0.0939	0.5326
89	44.33	0.01	0.0886	5.5555	0.0206	5.5555	0.2331	0.6909	0.0631	0.3683	0.0913	0.5336
90	44.51	0.02	0.0842	5.5555	0.0194	5.5555	0.2302	0.6861	0.0633	0.3685	0.0923	0.5376
91	44.71	0.02	0.0842	5.5555	0.0194	5.5555	0.2302	0.6869	0.0645	0.3640	0.0947	0.5346
92	44.88	0.02	0.0756	5.5555	0.0175	5.5555	0.2360	0.6391	0.0657	0.3422	0.1028	0.5355

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

PLINT	TEST PART MACH 7.10-6				PHI CONF		L		DECI		DEL2		DEL3		DEL4		TRANSITION	
	7	1.25	1.10	1.7	C-C	810F23	C-0	0	-30	0	-30	0	-30	0	-30	UNKNOWN		
PLINT	ALPHA	BETA	CNF3	CH3	Cb3	ACFF3	YCF3	CNF4	CH4	CB4	XCPF4	YCPF4						
93	45.27	0.00	0.0757	5.5555	0.0171	5.5555	0.2255	0.6738	0.0659	0.3630	0.0478	0.5387						
94	45.27	-0.01	0.0624	5.5555	0.0230	5.5555	0.2059	0.6502	0.0672	0.3458	0.1023	0.5267						
95	45.44	-0.03	0.0301	5.5555	0.0206	5.5555	0.2632	0.6235	0.0661	0.3301	0.1060	0.5254						
96	45.61	-0.03	0.0022	5.5555	0.0212	5.5555	0.2053	0.6025	0.0674	0.3445	0.1034	0.5286						
97	45.79	-0.02	0.0622	5.5555	0.0110	5.5555	0.2559	0.6450	0.0682	0.3436	0.1058	0.5327						
98	45.98	-0.03	0.0155	5.5555	0.0171	5.5555	0.2249	0.6009	0.0661	0.3209	0.1089	0.5288						
99	46.15	-0.02	0.0755	5.5555	0.0175	5.5555	0.2303	0.6002	0.0660	0.3163	0.1095	0.5245						
100	46.31	-0.03	0.0755	5.5555	0.0175	5.5555	0.2363	0.6025	0.0667	0.3155	0.1107	0.5237						
101	46.48	-0.01	0.0755	5.5555	0.0157	5.5555	0.2595	0.6389	0.0681	0.3364	0.1066	0.5266						
102	46.66	-0.03	0.0602	5.5555	0.0217	5.5555	0.2700	0.5779	0.0672	0.3030	0.1162	0.5243						
103	46.86	-0.02	0.0322	5.5555	0.0244	5.5555	0.2969	0.5561	0.0672	0.3013	0.1206	0.5419						
104	47.02	-0.02	0.0755	5.5555	0.0157	5.5555	0.2595	0.5412	0.0678	0.2940	0.1253	0.5432						
105	47.19	-0.05	0.0755	5.5555	0.0157	5.5555	0.2592	0.5564	0.0672	0.3007	0.1207	0.5403						
106	47.37	-0.03	0.0673	5.5555	0.0173	5.5555	0.2504	0.5355	0.0673	0.2951	0.1258	0.5516						
107	47.54	-0.03	0.0646	5.5555	0.0258	5.5555	0.3022	0.5477	0.0678	0.2975	0.1235	0.5439						
108	47.70	-0.03	0.0700	5.5555	0.0206	5.5555	0.2703	0.5722	0.0673	0.3060	0.1177	0.5347						
109	47.87	-0.03	0.0622	5.5555	0.0245	5.5555	0.2507	0.5926	0.0689	0.3153	0.1162	0.5321						
110	48.00	-0.02	0.0711	5.5555	0.0220	5.5555	0.3065	0.5733	0.0687	0.3023	0.1198	0.5273						
111	48.24	-0.02	0.0657	5.5555	0.0152	5.5555	0.2756	0.6048	0.0694	0.3217	0.1147	0.5319						
112	48.42	-0.01	0.0717	5.5555	0.0225	5.5555	0.3190	0.6218	0.0696	0.3235	0.1119	0.5205						
113	48.59	-0.01	0.0735	5.5555	0.0232	5.5555	0.3225	0.6315	0.0700	0.3282	0.1105	0.5198						
114	48.78	-0.00	0.0803	5.5555	0.0235	5.5555	0.2726	0.6315	0.0699	0.3262	0.1106	0.5158						
115	48.93	-0.01	0.0673	5.5555	0.0155	5.5555	0.2551	0.6208	0.0694	0.3260	0.1107	0.5202						
116	49.11	-0.00	0.0755	5.5555	0.0244	5.5555	0.3276	0.6171	0.0681	0.3198	0.1104	0.5181						
117	49.27	-0.01	0.0656	5.5555	0.0201	5.5555	0.2885	0.6003	0.0663	0.3075	0.1104	0.5122						
118	49.44	-0.01	0.0803	5.5555	0.0205	5.5555	0.3353	0.6029	0.0663	0.3095	0.1100	0.5134						
119	49.63	-0.03	0.0782	5.5555	0.0260	5.5555	0.3321	0.6324	0.0675	0.3193	0.1088	0.5045						
120	49.80	-0.02	0.0630	5.5555	0.0205	5.5555	0.3247	0.6231	0.0653	0.3156	0.1046	0.5065						
121	49.97	-0.01	0.0673	5.5555	0.0225	5.5555	0.3356	0.6230	0.0658	0.3157	0.1056	0.5067						
122	50.16	-0.01	0.0735	5.5555	0.0236	5.5555	0.3225	0.6306	0.0646	0.3152	0.1025	0.4998						
123	50.32	-0.00	0.0761	5.5555	0.0233	5.5555	0.3354	0.6332	0.0664	0.3154	0.1048	0.5043						
124	50.50	-0.00	0.0651	5.5555	0.0232	5.5555	0.3336	0.6143	0.0626	0.3040	0.1019	0.4949						
125	50.68	-0.01	0.0760	5.5555	0.0258	5.5555	0.3386	0.6426	0.0645	0.3185	0.1010	0.4961						
126	50.86	-0.02	0.0755	5.5555	0.0206	5.5555	0.3307	0.6203	0.0637	0.3095	0.1014	0.4926						
127	51.03	-0.01	0.0541	5.5555	0.0206	5.5555	0.3797	0.5947	0.0631	0.2913	0.1011	0.4898						
128	51.21	-0.01	0.0755	5.5555	0.0206	5.5555	0.3507	0.6150	0.0614	0.3023	0.0991	0.4864						
129	51.38	-0.02	0.0758	5.5555	0.0251	5.5555	0.3342	0.6115	0.0616	0.2972	0.1007	0.4860						
130	51.55	-0.01	0.0737	5.5555	0.0273	5.5555	0.3704	0.5582	0.0592	0.2767	0.1061	0.4956						
131	51.72	-0.00	0.0627	5.5555	0.0264	5.5555	0.4215	0.5610	0.0576	0.2755	0.1030	0.4983						
132	51.90	-0.00	0.0715	5.5555	0.0200	5.5555	0.3714	0.5389	0.0592	0.2682	0.1049	0.4978						
133	52.06	-0.01	0.0755	5.5555	0.0300	5.5555	0.3957	0.5316	0.0588	0.2668	0.1105	0.5018						
134	52.22	-0.01	0.0540	5.5555	0.0240	5.5555	0.4446	0.4860	0.0550	0.2522	0.1132	0.5150						
135	52.39	-0.01	0.0755	5.5555	0.0317	5.5555	0.4156	0.4539	0.0571	0.2375	0.1258	0.5232						
136	52.56	-0.02	0.0600	5.5555	0.0280	5.5555	0.4016	0.4101	0.0522	0.2235	0.1254	0.5370						
137	52.73	-0.00	0.0600	5.5555	0.0280	5.5555	0.4616	0.4302	0.0548	0.2293	0.1274	0.5329						
138	52.89	-0.01	0.0715	5.5555	0.0315	5.5555	0.4399	0.4303	0.0536	0.2406	0.1191	0.5344						

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH 1.10-1.7			PHI CONF		DEL1 DEL2		DEL3 DEL4		TRANSITION			
	1	1.25	1.50	1.7	0.0 810CF23	0.0	0	-30	0	-30	UNKNOWN		
PCINT	ALPHA	BETA	CNF3	CH3	CB3	XCFF3	YCPF3	CNF4	CH4	CB4	XCFF4	YCPF4	
139	53.05	0.01	0.0228	5.5555	0.0273	5.5555	0.4347	0.4165	0.0508	0.2270	0.1221	0.5451	
140	53.24	0.01	0.0246	5.5555	0.0202	5.5555	0.4429	0.4235	0.0512	0.2213	0.1205	0.5456	
141	53.40	0.02	0.0252	5.5555	0.0321	5.5555	0.4644	0.4114	0.0517	0.2258	0.1257	0.5488	
142	53.57	0.00	0.0022	5.5555	0.0246	5.5555	0.4624	0.4069	0.0518	0.2275	0.1273	0.5592	
143	53.72	0.00	0.0227	5.5555	0.0308	5.5555	0.4408	0.4057	0.0508	0.2313	0.1241	0.5645	
144	53.92	0.00	0.0245	5.5555	0.0327	5.5555	0.5037	0.4324	0.0516	0.2352	0.1154	0.5441	
145	54.05	-0.01	0.0457	5.5555	0.0272	5.5555	0.5476	0.4002	0.0524	0.2256	0.1309	0.5636	
146	54.24	0.01	0.0272	5.5555	0.0336	5.5555	0.5029	0.4101	0.0524	0.2281	0.1278	0.5562	
147	54.38	-0.02	0.0457	5.5555	0.0281	5.5555	0.5650	0.4370	0.0531	0.2384	0.1214	0.5456	
148	54.55	-0.02	0.0504	5.5555	0.0222	5.5555	0.5521	0.4420	0.0524	0.2415	0.1196	0.5464	
149	54.70	-0.01	0.0476	5.5555	0.0271	5.5555	0.5700	0.4346	0.0536	0.2376	0.1234	0.5464	
150	54.86	-0.02	0.0452	5.5555	0.0281	5.5555	0.5640	0.4226	0.0541	0.2322	0.1281	0.5495	
151	55.02	-0.02	0.0583	5.5555	0.0321	5.5555	0.5712	0.4279	0.0542	0.2311	0.1267	0.5460	
152	55.19	-0.02	0.0583	5.5555	0.0313	5.5555	0.5548	0.4380	0.0549	0.2324	0.1254	0.5318	
153	55.35	-0.01	0.0454	5.5555	0.0275	5.5555	0.6115	0.4360	0.0549	0.2329	0.1254	0.5318	
154	55.50	-0.01	0.0452	5.5555	0.0255	5.5555	0.6006	0.4327	0.0549	0.2345	0.1213	0.5150	
155	55.65	-0.02	0.0515	5.5555	0.0305	5.5555	0.5548	0.4326	0.0551	0.2278	0.1274	0.5287	
156	55.81	-0.02	0.0454	5.5555	0.0274	5.5555	0.6040	0.4422	0.0545	0.2320	0.1242	0.5245	
157	55.95	-0.03	0.0343	5.5555	0.0281	5.5555	0.7584	0.4456	0.0546	0.2334	0.1215	0.5191	
158	56.15	-0.03	0.0382	5.5555	0.0202	5.5555	0.7177	0.4521	0.0544	0.2336	0.1204	0.5166	
159	56.31	-0.04	0.0362	5.5555	0.0245	5.5555	0.6702	0.4670	0.0535	0.2374	0.1155	0.5063	
160	56.47	-0.03	0.0383	5.5555	0.0340	5.5555	0.5977	0.4594	0.0545	0.2342	0.1195	0.5058	
161	56.61	-0.04	0.0363	5.5555	0.0330	5.5555	0.5350	0.4578	0.0550	0.2335	0.1201	0.5100	
162	56.78	-0.04	0.0453	5.5555	0.0313	5.5555	0.6408	0.4679	0.0540	0.2342	0.1155	0.5005	
163	56.95	-0.03	0.0322	5.5555	0.0251	5.5555	0.7784	0.4979	0.0531	0.2485	0.1086	0.4586	
164	57.10	0.02	0.0453	5.5555	0.0245	5.5555	0.6511	0.4728	0.0542	0.2382	0.1147	0.5036	
165	57.26	-0.03	0.0405	5.5555	0.0264	5.5555	0.6934	0.5029	0.0531	0.2455	0.1055	0.4562	
166	57.41	-0.03	0.0404	5.5555	0.0275	5.5555	0.6136	0.4955	0.0531	0.2481	0.1071	0.5007	
167	57.58	-0.05	0.0457	5.5555	0.0308	5.5555	0.6194	0.5005	0.0528	0.2502	0.1055	0.4594	
168	57.69	-0.07	0.0541	5.5555	0.0312	5.5555	0.5758	0.4631	0.0531	0.2434	0.1098	0.5036	
169	57.86	-0.05	0.0453	5.5555	0.0255	5.5555	0.6511	0.4557	0.0526	0.2508	0.1081	0.5059	
170	58.00	-0.03	0.0453	5.5555	0.0245	5.5555	0.6511	0.4931	0.0526	0.2487	0.1086	0.5044	
171	58.13	-0.05	0.0410	5.5555	0.0275	5.5555	0.6706	0.5025	0.0569	0.2518	0.1133	0.5012	
172	58.24	0.01	0.0583	5.5555	0.0331	5.5555	0.5873	0.5201	0.0564	0.2595	0.1085	0.4991	
173	58.42	-0.05	0.0410	5.5555	0.0275	5.5555	0.6706	0.5127	0.0560	0.2571	0.1051	0.5015	
174	58.59	-0.05	0.0453	5.5555	0.0256	5.5555	0.6532	0.5204	0.0553	0.2595	0.1062	0.4966	
175	58.72	-0.02	0.0410	5.5555	0.0252	5.5555	0.7129	0.5282	0.0556	0.2649	0.1052	0.5015	

PAGE 1 OF 3
 SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACT RLIC-6			PHI	CONF	U	DECL	DECL2	DECL3	DECL4	TRANSITION	
7 130 0.00 1.7			0.0	0.0	0.0	0	-30	0	-30	UNKNOWN	
POINT	ALPHA	BETA	CLN	CLM	CLY	CLA	CLL	CA	CAB	CAF	ACP
1	-5.72	0.01	-1.4700	5.03371	0.0432	0.0010	0.0020	1.0377	0.3721	0.6656	-3.4248
2	-5.72	0.00	-1.4570	5.0000	-0.0155	0.0061	0.0019	1.0360	0.3722	0.6638	-3.4379
3	-5.71	0.01	-1.4667	5.05594	-0.0042	0.0121	0.0020	1.0435	0.3743	0.6652	-3.3586
4	-5.71	0.00	-1.4569	5.0300	0.0245	-0.0001	0.0022	1.0434	0.3724	0.6705	-3.4520
5	-5.71	0.00	-1.4712	5.0300	0.0207	-0.0224	0.0021	1.0377	0.3706	0.6605	-3.4247
6	-5.71	0.00	-1.4712	5.0300	0.0207	-0.0224	0.0020	1.0395	0.3722	0.6673	-3.4246
7	-5.70	0.00	-1.4700	5.0550	-0.0050	0.0007	0.0019	1.0359	0.3685	0.6674	-3.4385
8	-5.71	0.00	-1.4545	5.0002	0.0272	-0.0094	0.0021	1.0376	0.3715	0.6661	-3.4378
9	-5.71	0.00	-1.4660	5.0350	-0.0061	0.0062	-0.0054	1.0325	0.3709	0.6616	-3.3638
10	-5.71	0.00	-1.4434	4.9819	0.0135	0.0286	0.0020	1.0323	0.3684	0.6634	-3.4514
11	-5.71	0.00	-1.4653	5.0674	0.0528	-0.0718	0.0022	1.0433	0.3755	0.6676	-3.4118
12	-5.71	0.01	-1.4701	5.0554	0.0713	-0.0512	0.0022	1.0379	0.3704	0.6675	-3.4369
13	-5.71	0.00	-1.4673	5.0534	0.0451	0.0381	0.0018	1.0359	0.3705	0.6650	-3.3843
14	-5.71	0.00	-1.4555	4.9773	-0.0167	0.0313	0.0020	1.0306	0.3601	0.6625	-3.4099
15	-5.73	0.01	-1.4765	5.0154	0.0452	0.0381	0.0016	1.0367	0.3707	0.6600	-3.3565
16	-5.65	0.00	-1.4304	4.9578	-0.0460	0.0223	0.0021	1.0444	0.3653	0.6752	-3.4939
17	-5.44	0.00	-1.4244	5.0200	-0.0300	0.0575	0.0021	1.0412	0.3643	0.6770	-3.5242
18	-3.67	0.01	-1.2000	4.9550	0.0130	0.0000	0.0025	1.0034	0.3450	0.6504	-3.6581
19	-1.67	0.01	-1.1641	4.9873	0.0010	0.0428	0.0033	0.9684	0.3136	0.6546	-4.2642
20	-0.00	0.01	-1.1000	5.2000	0.0000	0.0000	-0.0107	0.9501	0.2087	0.6073	-4.7709
21	1.79	0.00	-1.1001	5.7750	-0.0023	0.0370	-0.0025	0.9622	0.2054	0.6063	-5.2219
22	3.61	0.01	-1.0571	6.0550	-0.0004	-0.0140	0.0035	0.9471	0.2033	0.7118	-5.7699
23	5.41	0.01	-0.8750	5.0010	-0.0051	-0.0100	0.0000	0.9044	0.2245	0.6759	-6.6255
24	7.20	0.00	-0.5494	5.0001	-0.0342	0.0000	0.0065	0.8200	0.2170	0.6052	-8.7787
25	9.06	0.01	-0.3853	4.8530	0.0650	-0.0357	0.0142	0.7403	0.2025	0.5438	-13.2865
26	10.09	0.01	-0.1257	4.9050	-0.0021	0.0305	0.0219	0.6802	0.1920	0.4674	-34.6253
27	12.68	0.01	0.1385	5.9708	-0.0102	0.0573	0.0079	0.6131	0.1909	0.4762	28.0759
28	14.51	0.00	0.4781	5.3614	-0.0453	0.0847	0.0014	0.5410	0.2021	0.3355	7.0300
29	16.40	0.00	0.8107	2.7700	-0.0577	0.2081	0.0021	0.4717	0.2064	0.2653	3.3938
30	18.25	0.00	1.1104	2.2000	-0.1025	0.4003	0.0035	0.4053	0.2090	0.1457	2.0428
31	20.09	0.01	1.4153	1.6750	-0.3434	0.6072	0.0001	0.3501	0.2153	0.1348	1.3215
32	21.93	0.02	1.7411	1.3440	-0.4510	1.3107	0.0296	0.2974	0.2204	0.0704	0.6073
33	23.77	0.03	2.0153	1.3010	-0.6350	1.7273	0.0292	0.2409	0.2335	0.0154	0.6446
34	25.60	0.02	2.3747	1.1000	-0.5336	1.3037	0.0020	0.2093	0.2312	-0.0219	0.4666
35	27.47	0.02	2.9337	0.9072	-0.2519	-0.3360	0.0080	0.1360	0.2251	-0.0051	0.3365
36	27.80	0.03	2.7535	1.0990	0.3013	-0.5050	0.0078	0.1268	0.2233	-0.0050	0.3534
37	28.11	0.02	2.6330	1.0700	0.2303	-0.2273	0.0003	0.1263	0.2265	-0.0003	0.3778
38	28.37	0.00	2.5000	0.9500	0.4722	-0.9021	0.0000	0.1079	0.2250	-0.1178	0.3246
39	28.71	0.03	3.0135	0.5400	0.2557	-0.3902	0.0757	0.0741	0.2261	-0.1320	0.3119
40	29.03	0.03	3.1141	0.0041	0.3194	-0.3000	0.0000	0.0706	0.2274	-0.1526	0.2775
41	29.31	0.04	3.1775	0.8045	0.4735	-0.7355	0.0000	0.0709	0.2284	-0.1575	0.2784
42	29.58	0.05	3.2042	0.0180	0.4830	-0.6174	0.0000	0.0504	0.2285	-0.1701	0.2505
43	29.88	0.05	3.3020	0.6731	0.5553	-0.6516	0.1137	0.0407	0.2322	-0.1835	0.2002
44	30.14	0.05	3.4375	0.5878	0.4735	-0.3000	0.0007	0.0310	0.2345	-0.2035	0.1710
45	30.40	0.05	3.4015	0.5911	0.4723	-0.3254	0.0000	0.0262	0.2364	-0.2102	0.1698
46	30.60	0.05	3.5007	0.4425	0.3712	-0.4072	0.0010	0.0207	0.2430	-0.2223	0.1236

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH FIXIC-6 7 130 0.80 1.7				PHI CCNF C.C bincf11 G.C		DEL1 J	DEL2 -30	DEL3 0	DEL4 -30	TRANSITION UNKNOWN	
PCINT	ALPHA	BETA	LN	CLM	LY	CLN	CLL	CA	CAB	CAF	XCP
47	30.56	0.04	3.2440	C.2858	C.1034	1.2463	0.0262	0.0119	0.2510	-0.2391	0.0795
48	31.22	0.03	3.2654	C.2553	C.0690	1.2850	0.0202	0.0070	0.2515	-0.2445	C.C704
49	31.49	0.04	3.2774	C.3356	C.1165	1.1575	0.0289	-0.0088	0.2496	-0.2584	C.C893
50	31.76	0.03	3.2856	C.2220	C.0501	1.4160	0.0260	-0.0130	0.2534	-0.2673	0.0592
51	32.03	0.05	3.3354	C.2525	C.3317	C.8645	0.0450	-0.0244	0.2524	-0.2768	0.0643
52	32.28	0.06	4.0825	C.3045	C.5001	C.5639	0.0667	-0.0324	0.2567	-0.2891	0.0659
53	32.55	0.06	4.2111	C.2957	C.5547	C.2276	0.0848	-0.0429	0.2596	-0.3026	0.0702
54	32.80	0.09	4.2535	C.5125	C.6435	-C.3721	0.1014	-0.0472	0.2563	-0.3036	0.1206
55	33.05	0.08	4.4140	C.3341	0.7316	C.1774	0.0929	-0.0553	0.2677	-0.3231	0.0757
56	33.30	0.08	4.4473	C.3435	0.7753	C.1231	0.1005	-0.0655	0.2655	-0.3309	0.0776
57	33.55	0.08	4.5414	C.2805	C.6752	C.5726	0.0921	-0.0642	0.2776	-0.3419	0.0618
58	33.76	0.06	4.6370	C.3450	C.6721	0.5101	0.0926	-0.0734	0.2785	-0.3520	0.0754
59	34.05	0.08	4.7155	C.1787	C.7167	0.7821	0.0793	-0.0693	0.2861	-0.3555	C.C379
60	34.30	0.05	4.7855	C.1651	C.8012	C.6114	0.0926	-0.0624	0.2857	-0.3687	0.0228
61	34.52	0.06	4.8301	C.0433	C.7204	C.8574	0.0915	-0.0647	0.2976	-0.3823	0.0050
62	34.76	0.10	5.1136	-C.4400	C.8260	1.4021	0.1197	-0.0997	0.3135	-0.4135	-0.0862
63	35.01	0.10	5.0514	-C.1673	C.8575	1.0856	0.0991	-0.0993	0.3134	-0.4126	-0.0368
64	35.24	0.09	5.1234	-C.1017	0.7593	C.8520	0.1004	-0.1101	0.3076	-0.4196	-0.0199
65	35.48	0.08	5.1446	C.3521	C.8540	-C.2353	0.1052	-0.1238	0.2925	-0.4162	0.0684
66	35.71	0.05	5.1556	C.3940	1.6451	-1.2267	0.1000	-0.1423	0.2831	-0.4256	C.C758
67	35.94	0.08	5.2266	C.4085	1.6552	-1.4021	0.1090	-0.1501	0.2816	-0.4317	0.0782
68	36.18	0.06	5.3762	C.1440	C.5553	-1.1245	0.1017	-0.1636	0.2970	-0.4605	0.0269
69	36.42	0.08	5.4856	C.0455	1.0117	-C.5472	0.1015	-0.1676	0.3025	-0.4700	0.0050
70	36.65	0.07	5.4655	C.3053	C.5370	-1.0563	0.0949	-0.1765	0.2928	-0.4692	0.0557
71	36.85	0.07	5.5170	C.3358	1.0023	-1.6732	0.0959	-0.1890	0.2889	-0.4779	C.0609
72	37.11	0.07	5.5741	C.3120	1.0032	-1.0544	0.0875	-0.1913	0.2914	-0.4827	0.0561
73	37.34	0.07	5.7257	C.3242	C.5648	-C.3597	0.0785	-0.1902	0.3136	-0.5038	0.0042
74	37.57	0.08	5.9245	-C.3050	C.0123	C.5077	0.0516	-0.1796	0.3346	-0.5142	-0.0651
75	37.81	0.08	6.0662	-C.5834	C.8351	1.4428	0.0354	-0.1967	0.3423	-0.5410	-0.0539
76	38.03	0.08	6.1730	-C.6865	C.7324	1.8505	0.0267	-0.1927	0.3523	-0.5450	-0.1112
77	38.27	0.08	6.2640	-C.7397	C.6922	2.3442	0.0253	-0.1984	0.3536	-0.5522	-0.1181
78	38.48	0.08	6.3772	-C.8276	C.6274	2.5708	0.0175	-0.2070	0.3572	-0.5650	-0.1298
79	38.71	0.08	6.5615	-C.9346	0.6731	2.8525	0.0321	-0.2192	0.3620	-0.5812	-0.1426
80	38.93	0.09	6.7274	-1.0027	C.6530	3.0505	0.0160	-0.2105	0.3658	-0.5843	-0.1609
81	39.15	0.09	6.8132	-1.2015	C.6237	3.4304	-0.0067	-0.2314	0.3654	-0.5968	-0.1764
82	39.34	0.09	6.8342	-1.0252	C.7450	2.7120	0.0104	-0.2340	0.3695	-0.6035	-0.1500
83	39.56	0.09	6.9719	-1.0548	C.7847	2.5420	0.0344	-0.2447	0.3685	-0.6132	-0.1570
84	39.78	0.10	7.1332	-1.3000	C.7850	3.1531	0.0173	-0.2501	0.3730	-0.6239	-0.1804
85	39.96	0.09	7.2354	-1.4435	C.8090	3.0375	0.0256	-0.2544	0.3786	-0.6330	-0.1998
86	40.17	0.09	7.2440	-1.3251	C.5710	2.1797	0.0510	-0.2606	0.3766	-0.6452	-0.1839
87	40.38	0.09	7.3437	-1.3784	0.9216	2.4399	0.0432	-0.2638	0.3823	-0.6463	-0.1877
88	40.57	0.07	7.2734	-1.1010	C.8047	1.9350	0.0370	-0.2802	0.3772	-0.6634	-0.1514
89	40.79	0.08	7.3657	-1.1366	C.5221	2.1340	0.0373	-0.2782	0.3815	-0.6597	-0.1543
90	41.00	0.07	7.4763	-1.0770	0.8253	2.0919	0.0381	-0.2920	0.3815	-0.6734	-0.1440
91	41.19	0.08	7.5321	-0.9263	C.5034	2.1061	0.0382	-0.2840	0.3827	-0.6667	-0.1283
92	41.38	0.07	7.6050	-1.0353	C.8027	2.2372	0.0360	-0.2904	0.3870	-0.6774	-0.1366

PAGE 1 OF 3
 SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACP RX10-6			PHI	CONF	L	CEL1	DEL2	CEL3	DEL4	TRANSITION		
7 130 0.80 1.7			0.0 310F11 C.C			0	-30	0	-30	UNKNOWN		
FLINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP	
93	41.58	0.08	7.7152	-1.2445	0.8844	2.3832	0.0370	-0.3378	0.3097	-0.6975	-0.1812	
94	41.78	0.08	7.8214	-1.3862	0.5332	2.7005	0.0217	-0.3088	0.3410	-0.6558	-0.1739	
95	41.97	0.08	7.9666	-1.5045	0.5240	2.5574	0.0376	-0.3184	0.3545	-0.7133	-0.1884	
96	42.16	0.08	8.0645	-1.4515	0.5652	2.4827	0.0457	-0.3204	0.3454	-0.7163	-0.1850	
97	42.33	0.07	8.0353	-1.5382	0.5478	2.2588	0.0245	-0.3333	0.3503	-0.7256	-0.1665	
98	42.52	0.08	8.2732	-1.6620	1.0102	2.4176	0.0390	-0.3373	0.4034	-0.7377	-0.1986	
99	42.70	0.08	8.3527	-1.7537	1.0791	2.5381	0.0367	-0.3414	0.3970	-0.7384	-0.2050	
100	42.87	0.10	8.5004	-1.7825	1.2396	2.2810	0.0472	-0.3400	0.4003	-0.7403	-0.2047	
101	43.06	0.09	8.6225	-1.8135	1.1212	2.4780	0.0397	-0.3393	0.4020	-0.7413	-0.2103	
102	43.26	0.09	8.8011	-1.8453	1.1537	2.3442	0.0401	-0.3507	0.4062	-0.7629	-0.2188	
103	43.42	0.05	8.7056	-1.8228	1.1377	2.1881	0.0412	-0.3484	0.4072	-0.7556	-0.2053	
104	43.61	0.10	8.8104	-1.8542	1.2502	2.1000	0.0415	-0.3490	0.4124	-0.7319	-0.2218	
105	43.80	0.10	8.8312	-1.8881	1.2627	1.9575	0.0350	-0.3282	0.4149	-0.7431	-0.2045	
106	43.97	0.09	8.9041	-1.8345	1.3003	1.8070	0.0313	-0.3237	0.4193	-0.7430	-0.2060	
107	44.17	0.10	9.0225	-1.8250	1.4256	1.5100	0.0445	-0.3167	0.4278	-0.7445	-0.2134	
108	44.33	0.10	9.1116	-1.8747	1.4630	1.3200	0.0320	-0.3206	0.4278	-0.7484	-0.2167	
109	44.50	0.10	9.1834	-1.8677	1.4646	1.2535	0.0300	-0.3100	0.4331	-0.7517	-0.2208	
110	44.70	0.08	9.0421	-1.7726	1.3301	1.4413	0.0380	-0.3472	0.4280	-0.7152	-0.1948	
111	44.89	0.11	9.3223	-2.0020	1.8054	1.4154	0.0336	-0.3314	0.4336	-0.7650	-0.2148	
112	45.07	0.10	9.2754	-1.9650	1.4124	1.4784	0.0455	-0.3498	0.4384	-0.7802	-0.2058	
113	45.24	0.11	9.4533	-2.0577	1.6378	1.4225	0.0360	-0.3245	0.4405	-0.7654	-0.2177	
114	45.42	0.10	9.4715	-2.0041	1.4595	1.5300	0.0307	-0.3343	0.4423	-0.7766	-0.2116	
115	45.58	0.10	9.5535	-1.9757	1.4420	1.4544	0.0300	-0.3208	0.4513	-0.7721	-0.2076	
116	45.78	0.11	9.7758	-2.1302	1.6755	1.1836	0.0291	-0.3117	0.4605	-0.7726	-0.2179	
117	45.95	0.10	9.7560	-2.0150	1.5245	1.2725	0.0453	-0.3280	0.4619	-0.7879	-0.2062	
118	46.11	0.11	9.8321	-2.1540	1.8108	1.4417	0.0328	-0.3185	0.4676	-0.7881	-0.2151	
119	46.29	0.09	9.8754	-2.0802	1.6366	1.4450	0.0261	-0.3234	0.4661	-0.7855	-0.2106	
120	46.47	0.09	9.9575	-2.0504	1.4555	1.4502	0.0263	-0.3304	0.4690	-0.8054	-0.2059	
121	46.65	0.10	10.0434	-2.1285	1.4436	1.8824	0.0176	-0.3321	0.4672	-0.7993	-0.2119	
122	46.79	0.09	10.0145	-2.0147	1.2695	1.9217	0.0251	-0.3439	0.4643	-0.8002	-0.2012	
123	46.97	0.08	10.0841	-1.9257	1.1596	1.5805	0.0180	-0.3397	0.4652	-0.8045	-0.1913	
124	47.16	0.09	10.1221	-1.9500	1.2281	2.0000	0.0100	-0.3458	0.4643	-0.8101	-0.1966	
125	47.32	0.06	10.0507	-1.8666	0.8884	2.8715	0.0306	-0.3511	0.4605	-0.8116	-0.1848	
126	47.45	0.08	10.3424	-2.0352	1.1744	2.0000	0.0009	-0.3385	0.4724	-0.8309	-0.1972	
127	47.68	0.08	10.4328	-2.0727	1.7058	2.5285	0.0310	-0.3603	0.4750	-0.8393	-0.1987	
128	47.83	0.05	10.2356	-1.7854	0.8074	3.4508	0.0317	-0.3608	0.4704	-0.8357	-0.1729	
129	48.04	0.08	10.4574	-1.9402	0.9841	3.1295	0.0136	-0.3683	0.4747	-0.8430	-0.1848	
130	48.19	0.08	10.5455	-2.0505	0.8190	3.3578	0.0143	-0.3801	0.4785	-0.8446	-0.1944	
131	48.34	0.07	10.6154	-2.0154	0.8524	3.3617	0.0141	-0.3642	0.4839	-0.8480	-0.1901	
132	48.45	0.05	10.4078	-1.8884	0.7062	3.7424	0.0000	-0.3302	0.4808	-0.8425	-0.1820	
133	48.66	0.04	10.2805	-1.3140	0.6070	3.3682	0.0125	-0.3726	0.4767	-0.8493	-0.1278	
134	48.85	0.05	10.8801	-2.0055	0.7410	3.5592	0.0077	-0.3813	0.4925	-0.8537	-0.1881	
135	49.02	0.03	10.6038	-1.8895	0.6007	3.6140	0.0053	-0.3823	0.4872	-0.8514	-0.1554	
136	49.20	0.04	10.8527	-1.8702	0.6214	3.7255	0.0085	-0.3793	0.4863	-0.8655	-0.1756	
137	49.36	0.03	10.5305	-1.2507	0.5024	3.4341	0.0048	-0.3975	0.4805	-0.8781	-0.1226	
138	49.53	0.03	10.6113	-1.8262	0.8026	3.4674	0.0050	-0.3824	0.4821	-0.8844	-0.1532	

PAGE 1 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6											
7			150 0.00 1.0			C.C. 8400F11 C.C.			0 -50 0 -50 UNKNOWN		
FCINT	ALPHA	BETA	CN	CLM	CLY	CLN	CLL	CA	CAB	CAF	XCP
139	49.68	0.02	10.4938	-1.1827	0.4361	3.1178	-0.1382	-0.3995	0.4686	-0.8682	-0.1127
140	49.80	0.01	10.4938	-0.7052	0.4360	3.0043	-0.1077	-0.4212	0.4444	-0.8767	-0.0739
141	50.02	0.02	10.4830	-0.9917	0.4620	3.0136	-0.0854	-0.4245	0.4652	-0.8698	-0.0546
142	50.20	0.02	10.5345	-0.6678	0.4454	2.9871	-0.0702	-0.3800	0.4428	-0.8510	-0.0843
143	50.35	0.00	10.3907	-0.6106	0.3878	2.7423	-0.0765	-0.4363	0.4461	-0.8845	-0.0588
144	50.51	0.00	10.4612	-0.6430	0.3215	2.8171	-0.0942	-0.4301	0.4528	-0.8830	-0.0613
145	50.71	0.02	10.8605	-1.5188	0.4644	3.3815	-0.0502	-0.3669	0.4407	-0.8575	-0.1358
146	50.88	0.03	11.0653	-1.7540	0.6202	3.4742	-0.0491	-0.3638	0.4488	-0.8820	-0.1585
147	51.04	0.04	11.2188	-1.8876	0.8325	3.6007	-0.0491	-0.3793	0.5060	-0.8853	-0.1683
148	51.21	0.04	11.1680	-1.8083	0.6656	3.6350	-0.0493	-0.3693	0.5070	-0.8763	-0.1616
149	51.38	0.05	11.3722	-1.9335	0.7562	3.6335	-0.0503	-0.3852	0.5076	-0.8922	-0.1700
150	51.55	0.04	11.3103	-1.8101	0.6153	3.6027	-0.0467	-0.3805	0.5104	-0.8509	-0.1600
151	51.72	0.05	11.4128	-1.9058	0.7467	3.6736	-0.0554	-0.3989	0.5080	-0.9069	-0.1870
152	51.88	0.06	11.4459	-1.8705	0.8285	3.6477	-0.0508	-0.3906	0.5177	-0.9143	-0.1861
153	52.05	0.06	11.5323	-1.9437	0.8516	4.0422	-0.0803	-0.3982	0.5181	-0.9163	-0.1885
154	52.22	0.06	11.5820	-2.1007	0.8489	4.1477	-0.0866	-0.4222	0.5172	-0.9394	-0.1819
155	52.39	0.07	11.7703	-2.2508	0.9709	4.0179	-0.0800	-0.4301	0.5154	-0.9455	-0.1946
156	52.56	0.07	11.7404	-2.1530	0.9979	4.2322	-0.1019	-0.4430	0.5140	-0.9570	-0.1868
157	52.73	0.07	11.8479	-2.2957	0.9552	4.1392	-0.1113	-0.4509	0.5005	-0.9514	-0.1938
158	52.89	0.04	11.8876	-2.4555	1.2633	4.1271	-0.1310	-0.4602	0.5024	-0.9641	-0.2069
159	53.04	0.06	11.5705	-2.4742	1.1555	3.9710	-0.1163	-0.4589	0.5026	-0.9615	-0.2068
160	53.24	0.10	12.3578	-2.7259	1.4820	3.3800	-0.0757	-0.4543	0.5060	-0.9608	-0.2202
161	53.36	0.10	12.1218	-2.6155	1.3553	3.5294	-0.0996	-0.4610	0.5050	-0.9680	-0.2161
162	53.54	0.09	12.4678	-2.5565	1.3168	3.5451	-0.0834	-0.4615	0.5101	-0.9796	-0.2369
163	53.71	0.09	12.4777	-2.8037	1.3864	3.5832	-0.0877	-0.4682	0.5138	-0.9800	-0.2247
164	53.87	0.10	12.6276	-2.6711	1.5112	3.2813	-0.0372	-0.4412	0.5255	-0.9711	-0.2274
165	54.05	0.10	12.5378	-3.0950	1.6380	2.9732	-0.0097	-0.4266	0.5449	-0.9735	-0.2392
166	54.19	0.10	12.4679	-3.0250	1.3584	2.8703	0.0400	-0.4146	0.5476	-0.9622	-0.2336
167	54.35	0.10	13.1503	-3.0823	1.5716	2.7576	0.0414	-0.4313	0.5575	-0.9888	-0.2344
168	54.50	0.04	13.0477	-3.3725	1.5452	2.5531	0.0570	-0.4130	0.5633	-0.9763	-0.2355
169	54.65	0.10	13.2308	-3.0145	1.5596	2.8755	0.0641	-0.4194	0.5658	-0.9852	-0.2279
170	54.82	0.10	13.2433	-3.2250	1.6265	2.8624	0.0573	-0.4244	0.5707	-0.9951	-0.2426
171	54.98	0.08	13.3370	-3.2386	1.3555	2.5459	0.0645	-0.3960	0.5755	-0.9715	-0.2428
172	55.15	0.07	13.3010	-3.1800	1.3280	2.7105	0.0576	-0.4235	0.5770	-1.0005	-0.2397
173	55.31	0.04	13.2703	-3.1084	1.5213	2.7505	0.0497	-0.4269	0.5750	-1.0019	-0.2342
174	55.40	0.07	13.2524	-3.0270	1.2633	2.7426	0.0500	-0.4144	0.5676	-0.9820	-0.2277
175	55.63	0.07	13.3606	-2.9328	1.3267	2.7368	0.0582	-0.4076	0.5833	-0.9709	-0.2195
176	55.79	0.09	13.4355	-3.0054	1.5664	2.7555	0.0579	-0.4071	0.5643	-0.9714	-0.2240
177	55.95	0.05	13.4886	-3.1500	1.5500	2.7419	0.0581	-0.4232	0.5775	-1.0007	-0.2341
178	56.10	0.07	13.3545	-2.9810	1.3254	2.7427	0.0432	-0.4282	0.5752	-1.0034	-0.2217
179	56.25	0.07	13.4208	-2.9000	1.3125	2.7314	0.0435	-0.4399	0.5728	-1.0127	-0.2181
180	56.42	0.07	13.6585	-3.2122	1.2977	2.7450	0.0441	-0.4522	0.5654	-1.0416	-0.2352
181	56.57	0.00	13.5850	-2.9152	1.3660	2.9681	0.0521	-0.4346	0.5853	-1.0199	-0.2149
182	56.72	0.00	13.5564	-2.9070	1.2474	2.7443	0.0546	-0.4157	0.5907	-1.0064	-0.2173
183	56.87	0.07	13.7228	-3.1448	1.3111	2.7382	0.0595	-0.4548	0.5932	-1.0480	-0.2252
184	57.00	0.07	13.6785	-2.9978	1.3443	2.5408	0.0526	-0.4530	0.5952	-1.0482	-0.2152

PAGE 1 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXID=6			PHI	CONF	L	CELL	DEL2	DEL3	DEL4	TRANSITION	
1 130 J.C.C 1.7			0.0	0.00011	C.C	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CM	CLM	LY	CLN	CLL	CA	CAB	LAF	XCP
185	57.15	0.07	13.6821	-2.9092	1.3593	2.7330	0.0596	-0.4250	0.6015	-1.0265	-0.2126
186	57.31	0.07	13.6863	-3.0197	1.3637	2.6726	0.0604	-0.4406	0.6106	-1.0514	-0.2160
187	57.43	0.05	13.6437	-2.8170	1.1956	2.4131	0.0535	-0.4366	0.5551	-1.0377	-0.2065
188	57.60	0.05	13.6052	-2.7184	1.0989	2.6753	0.0605	-0.4304	0.6053	-1.0357	-0.1966
189	57.75	0.06	13.5483	-2.5522	1.2235	2.6114	0.0604	-0.4331	0.6126	-1.0457	-0.2132
190	57.81	0.04	13.5126	-3.1091	0.9801	2.4296	0.0622	-0.4295	0.6165	-1.0460	-0.2235
191	57.80	0.06	13.7236	-2.7817	1.1240	2.5445	0.0610	-0.4319	0.6150	-1.0445	-0.2027
192	57.82	0.07	13.9718	-3.0133	1.3767	2.4547	0.0539	-0.4420	0.6261	-1.0661	-0.2157
193	57.81	0.05	13.8125	-2.5746	1.0397	2.4826	0.0615	-0.4555	0.6167	-1.0763	-0.2154
194	57.82	0.05	13.8533	-2.8455	1.1156	2.7319	0.0601	-0.4369	0.6166	-1.0555	-0.2093
195	57.62	0.05	13.8537	-2.8456	1.1821	2.1617	0.0627	-0.4406	0.6166	-1.0572	-0.2096

PAGE 2 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	XXIC-6	PHI	CCAF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
1	1.50	0.80	1.7	0.0	0.0	0	-30	0	-30	UNKNOWN		
FCINT	ALPHA	BETA	CNF1	CH1	Col	ALPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.72	0.01	-0.0183	0.0021	0.0085	-0.1147	-0.4363	-0.7797	-0.0526	-0.4175	0.0674	0.5355
2	-5.72	0.00	-0.0153	0.0024	0.0052	-0.1568	-0.6013	-0.7746	-0.0529	-0.4151	0.0683	0.5356
3	-5.71	0.01	-0.0139	0.0027	0.0051	-0.1542	-0.7266	-0.7601	-0.0531	-0.4156	0.0674	0.5324
4	-5.71	0.00	-0.0162	0.0014	0.0082	-0.0769	-0.4305	-0.7601	-0.0531	-0.4189	0.0674	0.5315
5	-5.71	0.00	-0.0163	0.0014	0.0086	-0.0765	-0.4305	-0.7606	-0.0529	-0.4195	0.0672	0.5333
6	-5.71	0.00	-0.0163	0.0021	0.0089	-0.1147	-0.4363	-0.7798	-0.0527	-0.4182	0.0676	0.5363
7	-5.70	0.00	-0.0211	0.0008	0.0071	-0.0379	-0.3365	-0.7605	-0.0530	-0.4202	0.0674	0.5343
8	-5.71	0.00	-0.0138	0.0025	0.0101	-0.2101	-0.7319	-0.7784	-0.0525	-0.4148	0.0674	0.5329
9	-5.71	0.00	-0.0181	0.0013	0.0075	-0.0718	-0.4144	-0.7731	-0.0529	-0.4157	0.0684	0.5377
10	-5.71	0.00	-0.0225	0.0002	0.0062	-0.0089	-0.2756	-0.7816	-0.0530	-0.4178	0.0676	0.5345
11	-5.71	0.00	-0.0122	0.0027	0.0056	-0.2213	-0.7689	-0.7684	-0.0528	-0.4210	0.0670	0.5340
12	-5.71	0.01	-0.0167	0.0018	0.0063	-0.1076	-0.4470	-0.7607	-0.0532	-0.4196	0.0676	0.5334
13	-5.71	0.00	-0.0161	0.0013	0.0075	-0.0718	-0.4144	-0.7783	-0.0528	-0.4161	0.0678	0.5346
14	-5.71	0.00	-0.0161	0.0011	0.0082	-0.0611	-0.3776	-0.7786	-0.0530	-0.4140	0.0682	0.5331
15	-5.73	0.01	-0.0181	0.0014	0.0065	-0.0773	-0.3312	-0.7731	-0.0531	-0.4144	0.0687	0.5360
16	-5.65	0.00	-0.0152	0.0022	0.0080	-0.1447	-0.5058	-0.7731	-0.0531	-0.4144	0.0687	0.5360
17	-5.44	0.00	-0.0151	0.0015	0.0075	-0.1258	-0.5232	-0.7598	-0.0535	-0.4086	0.0704	0.5378
18	-3.67	0.01	-0.0150	0.0021	0.0072	-0.1430	-0.4800	-0.7503	-0.0540	-0.3945	0.0733	0.5358
19	-1.87	0.01	-0.0120	0.0030	0.0076	-0.2499	-0.6333	-0.7263	-0.0532	-0.3896	0.0732	0.5364
20	-0.02	0.01	-0.0148	0.0014	0.0045	-0.0555	-0.3082	-0.7519	-0.0543	-0.3952	0.0722	0.5256
21	1.79	0.00	-0.0028	0.0040	0.0060	-1.4282	-2.8571	-0.0160	-0.0543	-0.4188	0.0665	0.5132
22	3.61	0.01	-0.0067	0.0027	0.0060	-0.3103	-0.8097	-0.8653	-0.0848	-0.4383	0.0577	0.5085
23	5.41	0.01	-0.0122	0.0024	0.0045	-0.1567	-0.7787	-0.8105	-0.0890	-0.4144	0.0697	0.5110
24	7.20	0.00	-0.0127	0.0030	0.0035	-0.2302	-1.0030	-0.7087	-0.0890	-0.3740	0.1185	0.5277
25	9.06	0.01	-0.0128	0.0024	0.0034	-0.1504	-1.0655	-0.8113	-0.0839	-0.3274	0.1372	0.5356
26	10.89	0.01	-0.0085	0.0041	0.0067	-0.4022	-1.9047	-0.5349	-0.0822	-0.2502	0.1536	0.5425
27	12.68	0.01	-0.0216	0.0017	0.0011	-0.0787	-0.5139	-0.4443	-0.0731	-0.2385	0.1646	0.5372
28	14.51	0.00	-0.0305	0.00	0.0088	0.0	-0.2020	-0.3333	-0.0592	-0.1816	0.1776	0.5449
29	16.40	0.00	-0.0254	0.0017	0.0072	-0.0809	-0.6772	-0.2504	-0.0462	-0.1403	0.1845	0.5603
30	18.25	0.00	-0.0200	0.0014	0.0237	0.0000	-1.1050	-0.1876	-0.0327	-0.0951	0.1743	0.5065
31	20.09	0.01	-0.0176	0.0008	0.0255	-0.0454	-1.6989	-0.1217	-0.0125	-0.0701	0.1520	0.5760
32	21.93	0.02	-0.0380	0.0017	0.0206	0.0447	-0.5474	-0.0898	-0.0036	-0.0383	0.0516	0.5467
33	23.77	0.03	-0.0601	-0.0052	0.0011	0.1148	-0.0137	-0.0293	0.0117	-0.0242	-0.3552	0.8259
34	25.60	0.02	-0.0726	-0.0062	0.0010	0.0854	0.1515	0.0341	0.0340	0.0005	0.5568	0.0264
35	27.47	0.02	0.1234	0.0264	0.0594	0.2135	0.7650	0.1171	0.0633	0.0326	0.5404	0.2784
36	27.60	0.03	0.1762	0.0330	0.1152	0.1672	0.6572	0.1236	0.0642	0.0359	0.5184	0.2500
37	28.11	0.02	0.0879	0.0205	0.0702	0.2332	0.7986	0.1170	0.0651	0.0327	0.5563	0.2755
38	28.37	0.00	0.2132	0.0405	0.1390	0.1899	0.8020	0.1502	0.0888	0.0484	0.4579	0.3222
39	28.71	0.03	0.1630	0.0330	0.1127	0.2024	0.8914	0.1471	0.0856	0.0482	0.4730	0.3191
40	29.33	0.03	0.1153	0.0279	0.0510	0.2338	0.7526	0.1468	0.0714	0.0476	0.4862	0.3243
41	29.31	0.04	0.1565	0.0357	0.1330	0.1595	0.8587	0.1720	0.0733	0.0573	0.4260	0.3331
42	29.50	0.05	0.1930	0.0404	0.1505	0.2093	0.8762	0.1735	0.0745	0.0595	0.4253	0.3426
43	29.80	0.05	0.2540	0.0557	0.1577	0.2192	0.8209	0.1901	0.0768	0.0677	0.4035	0.3561
44	30.14	0.05	0.1502	0.0463	0.1065	0.2380	0.8081	0.1835	0.0780	0.0686	0.4282	0.3625
45	30.40	0.05	0.1716	0.0455	0.1144	0.2657	0.8067	0.1900	0.0800	0.0720	0.4205	0.3785
46	30.68	0.05	0.0315	0.0283	0.0454	0.3045	1.4413	0.1765	0.0812	0.0628	0.4599	0.3556

PAGE 2 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 7X10-E											
7 1.50 0.80 1.7											
C.C. 8110F11 C.C. 0 -30 0 -30 UNKNOWN											
PC1AT	ALPHA	BETA	CNF1	CH1	CH2	ALPF1	YCPF1	CNF2	CH2	CH2	YCPF2
47	30.96	0.04	-0.0465	0.0174	-0.0004	-0.3757	0.0088	0.1729	0.0828	0.0612	0.4788
48	31.22	0.03	-0.0387	0.0215	-0.0000	-0.3599	0.0155	0.1830	0.0633	0.0661	0.4551
49	31.49	0.04	-0.0580	0.0152	-0.0003	-0.2714	0.1339	0.1935	0.0833	0.0712	0.4304
50	31.76	0.03	-0.0311	0.0240	-0.0015	-0.7715	0.0062	0.2020	0.0832	0.0746	0.4118
51	32.03	0.05	-0.0173	0.0287	-0.0221	1.6535	1.2775	0.2222	0.0846	0.0838	0.3797
52	32.20	0.06	-0.0654	0.0360	0.0000	0.5200	0.1277	0.2305	0.0852	0.0866	0.3655
53	32.55	0.06	-0.1000	0.0458	0.0655	0.4575	0.6590	0.2460	0.0871	0.0869	0.3540
54	32.80	0.05	-0.1464	0.0504	0.1132	0.2845	0.5749	0.2576	0.0875	0.1033	0.3385
55	33.05	0.08	-0.1362	0.0544	0.0653	0.3593	0.6263	0.2579	0.0868	0.1040	0.3365
56	33.30	0.08	-0.1544	0.0565	0.0554	0.3533	0.5966	0.2601	0.0869	0.1062	0.3240
57	33.55	0.08	-0.1070	0.0562	0.0652	0.5251	0.6467	0.2687	0.0882	0.1044	0.3282
58	33.76	0.08	-0.1076	0.0521	0.0663	0.4552	0.6162	0.2719	0.0893	0.1081	0.3283
59	34.05	0.06	-0.0551	0.0576	0.0634	0.6055	0.6567	0.2736	0.0899	0.1063	0.3285
60	34.30	0.05	-0.1213	0.0558	0.0757	0.4245	0.5705	0.2905	0.0906	0.1138	0.3116
61	34.52	0.06	-0.1044	0.0581	0.0636	0.5564	0.6111	0.2854	0.0913	0.1114	0.3198
62	34.76	0.10	-0.1110	0.0650	0.0701	0.5000	0.6966	0.3015	0.0926	0.1157	0.3073
63	35.01	0.10	-0.1095	0.0655	0.0686	0.5958	0.6242	0.3025	0.0934	0.1165	0.3083
64	35.24	0.05	-0.1045	0.0622	0.0623	0.5551	0.5962	0.3164	0.0941	0.1138	0.2573
65	35.48	0.06	-0.1583	0.0552	0.0578	0.3015	0.4582	0.3505	0.0930	0.1356	0.2670
66	35.71	0.05	-0.2522	0.0610	0.1155	0.2442	0.4730	0.3784	0.0935	0.1565	0.2470
67	35.94	0.06	-0.2666	0.0642	0.1253	0.2407	0.4650	0.3866	0.0936	0.1574	0.2412
68	36.18	0.06	-0.2200	0.0605	0.1111	0.3004	0.4073	0.3944	0.0954	0.1616	0.2418
69	36.42	0.08	-0.1671	0.0654	0.0858	0.3455	0.4300	0.3935	0.0961	0.1605	0.2442
70	36.65	0.07	-0.1453	0.0566	0.0518	0.2047	0.4700	0.4073	0.0964	0.1651	0.2366
71	36.85	0.07	-0.2538	0.0582	0.1150	0.2294	0.4592	0.4278	0.0960	0.1743	0.2243
72	37.11	0.07	-0.2027	0.0582	0.0554	0.2870	0.4706	0.4174	0.0972	0.1707	0.2328
73	37.34	0.07	-0.1185	0.0572	0.0550	0.4005	0.4962	0.4181	0.0989	0.1712	0.2365
74	37.57	0.06	-0.0075	0.0426	0.0010	-0.4601	-0.2051	0.4026	0.1007	0.1610	0.2501
75	37.81	0.06	-0.0408	0.0385	-0.0126	-0.5086	0.3103	0.4145	0.1019	0.1662	0.2458
76	38.05	0.06	-0.1045	0.0226	-0.0422	-0.2175	0.3075	0.4111	0.1021	0.1645	0.2463
77	38.27	0.08	-0.1232	0.0148	-0.0484	-0.1154	0.3775	0.4109	0.1026	0.1666	0.2456
78	38.40	0.08	-0.1248	0.0121	-0.0454	-0.0954	0.3896	0.4208	0.1040	0.1737	0.2455
79	38.71	0.08	-0.1633	-0.0029	-0.0652	-0.0175	0.3544	0.4332	0.1045	0.1746	0.2412
80	38.93	0.05	-0.1265	0.0010	-0.0424	-0.0079	0.3341	0.4410	0.1046	0.1815	0.2339
81	39.15	0.05	-0.1008	-0.0115	-0.0022	-0.0714	0.3733	0.4572	0.1054	0.1803	0.2305
82	39.34	0.05	-0.1215	-0.0016	-0.0453	-0.0122	0.3445	0.4703	0.1063	0.1866	0.2260
83	39.56	0.05	-0.0225	0.0115	-0.0231	-0.1442	0.2800	0.4858	0.1072	0.1960	0.2206
84	39.76	0.10	-0.0501	0.0005	-0.0283	-0.0864	0.2948	0.4961	0.1079	0.2010	0.2174
85	39.96	0.05	-0.0588	0.0038	-0.0175	-0.0443	0.2040	0.5117	0.1082	0.2058	0.2114
86	40.17	0.05	-0.0154	0.0080	0.0101	-0.8108	-0.0352	0.5184	0.1099	0.2052	0.2119
87	40.38	0.05	-0.0206	-0.0267	-0.0108	-0.2558	-0.5243	0.5304	0.1106	0.2151	0.2085
88	40.57	0.07	-0.0162	0.0312	0.0110	-0.4254	-0.6790	0.5304	0.1111	0.2137	0.2094
89	40.79	0.08	-0.0220	0.0251	0.0075	-0.3224	-0.3609	0.5375	0.1113	0.2171	0.2071
90	41.00	0.07	-0.0505	0.0200	-0.0055	-0.4954	-0.1752	0.5357	0.1125	0.2168	0.2107
91	41.15	0.08	-0.0852	0.0222	-0.0114	-0.3395	-0.1746	0.5395	0.1124	0.2197	0.2083
92	41.38	0.07	-0.0470	0.0251	-0.0010	-0.5272	0.0378	0.5405	0.1126	0.2203	0.2063

PAGE 2 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			MACH		RAIO-6		PHI	CCAF	I	CELL1	DEL2	CELL3	CELL4	TRANSITION
7			1.50		0.00		1.7	C.C. BINGFILL	C.O.	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CMF1	CM1	CL1	ACPF1	YCPF1	CMF2	CM2	CB2	ACPF2	YCPF2		
93	41.58	0.06	-0.0516	0.0122	-0.0024	-0.3216	0.0465	0.5659	0.1133	0.2313	0.2002	0.4087		
94	41.76	0.06	-0.0455	0.0055	-0.0035	-0.1555	0.0707	0.5631	0.1137	0.2363	0.1949	0.4067		
95	41.97	0.06	-0.0215	0.0050	-0.0150	-0.0847	-0.0758	0.5608	0.1147	0.2443	0.1921	0.4053		
96	42.16	0.06	-0.0352	0.0052	-0.0007	-0.4487	-0.1903	0.5587	0.1152	0.2436	0.1930	0.4082		
97	42.33	0.07	-0.0000	0.0132	-0.0104	-0.2159	0.1733	0.5586	0.1154	0.2450	0.1934	0.4107		
98	42.52	0.06	-0.0140	0.0143	-0.0162	-1.0212	-1.1571	0.6230	0.1156	0.2537	0.1856	0.4072		
99	42.70	0.05	-0.0019	0.0111	-0.0303	5.8405	15.9474	0.6350	0.1161	0.2596	0.1828	0.4088		
100	42.89	0.10	0.0403	0.0154	0.0488	0.4813	1.2109	0.6408	0.1166	0.2642	0.1757	0.4072		
101	43.06	0.05	0.0361	0.0154	0.0458	0.4265	1.2587	0.6626	0.1175	0.2705	0.1772	0.4081		
102	43.26	0.05	0.0632	0.0210	0.0540	0.3417	0.8544	0.6748	0.1177	0.2763	0.1744	0.4095		
103	43.42	0.05	0.1004	0.0254	0.0684	0.2528	0.6863	0.6850	0.1185	0.2813	0.1725	0.4107		
104	43.61	0.10	0.1266	0.0316	0.0647	0.2507	0.6880	0.7005	0.1185	0.2861	0.1651	0.4084		
105	43.80	0.10	0.0454	0.0257	0.0704	0.3112	0.7379	0.6867	0.1185	0.2821	0.1725	0.4108		
106	43.97	0.05	0.1436	0.0361	0.0551	0.2644	0.6613	0.6941	0.1186	0.2809	0.1687	0.4104		
107	44.17	0.10	0.1557	0.0428	0.0562	0.2746	0.6507	0.7155	0.1191	0.2855	0.1655	0.4107		
108	44.35	0.10	0.2625	0.0446	0.1426	0.2400	0.5432	0.7365	0.1194	0.3036	0.1626	0.4125		
109	44.53	0.10	0.2033	0.0520	0.1165	0.2557	0.5750	0.7401	0.1197	0.3034	0.1617	0.4095		
110	44.70	0.06	0.1591	0.0436	0.0631	0.2752	0.6652	0.7318	0.1192	0.3002	0.1628	0.4102		
111	44.85	0.11	0.1433	0.0353	0.0557	0.2742	0.6676	0.7437	0.1206	0.3046	0.1621	0.4056		
112	45.07	0.10	0.1221	0.0331	0.0642	0.2688	0.6840	0.7319	0.1192	0.2974	0.1628	0.4063		
113	45.24	0.11	0.2076	0.0547	0.1234	0.2632	0.5936	0.7576	0.1195	0.3115	0.1582	0.4112		
114	45.42	0.10	0.1833	0.0450	0.1117	0.2705	0.6094	0.7626	0.1202	0.3138	0.1576	0.4115		
115	45.58	0.10	0.1714	0.0471	0.1068	0.2747	0.6231	0.7627	0.1197	0.3124	0.1565	0.4056		
116	45.76	0.11	0.2532	0.0647	0.1427	0.2746	0.5623	0.7450	0.1213	0.3275	0.1525	0.4119		
117	45.95	0.10	0.2323	0.0635	0.1372	0.2744	0.5693	0.7648	0.1213	0.3216	0.1545	0.4100		
118	46.11	0.11	0.2327	0.0687	0.1351	0.2552	0.5832	0.7406	0.1216	0.3276	0.1525	0.4112		
119	46.25	0.05	0.2056	0.0623	0.1212	0.2572	0.5762	0.6007	0.1216	0.3293	0.1515	0.4116		
120	46.47	0.05	0.2016	0.0600	0.1221	0.2572	0.6051	0.6036	0.1206	0.3309	0.1500	0.4116		
121	46.65	0.10	0.1753	0.0541	0.1005	0.3085	0.6075	0.7988	0.1195	0.3265	0.1496	0.4087		
122	46.74	0.05	0.1666	0.0542	0.1005	0.3210	0.6428	0.7954	0.1198	0.3235	0.1506	0.4067		
123	46.97	0.06	0.1823	0.0531	0.1071	0.3201	0.6579	0.7985	0.1197	0.3238	0.1498	0.4053		
124	47.16	0.05	0.1323	0.0462	0.1097	0.3441	0.6780	0.8007	0.1185	0.3267	0.1480	0.4080		
125	47.32	0.06	0.0740	0.0343	0.0724	0.4034	0.9764	0.7791	0.1130	0.3142	0.1450	0.4033		
126	47.45	0.08	0.1243	0.0472	0.0525	0.3746	0.7442	0.8007	0.1104	0.3251	0.1478	0.4060		
127	47.68	0.08	0.0657	0.0345	0.0687	0.5000	0.9857	0.8042	0.1176	0.3268	0.1464	0.4064		
128	47.83	0.05	-0.0254	-0.0254	-0.0065	0.1157	0.3901	0.7579	0.1037	0.3045	0.1368	0.4018		
129	48.01	0.06	0.0124	0.0212	0.0417	1.7092	3.3629	0.7977	0.1145	0.3234	0.1435	0.4054		
130	48.19	0.06	0.0034	0.0156	0.0353	0.7632	11.5066	0.7912	0.1110	0.3213	0.1403	0.4061		
131	48.34	0.07	-0.0134	0.0215	0.0467	1.0339	3.4851	0.7980	0.1115	0.3238	0.1397	0.4058		
132	48.45	0.05	-0.0630	0.0008	-0.0015	-0.1127	0.0302	0.8034	0.1089	0.3209	0.1355	0.4069		
133	48.66	0.04	-0.2071	-0.0478	-0.0522	0.2018	0.4481	0.8000	0.1016	0.3264	0.1271	0.4077		
134	48.83	0.03	-0.0051	-0.0057	-0.0110	0.0670	0.1303	0.8087	0.1070	0.3293	0.1323	0.4072		
135	49.02	0.03	-0.1464	-0.0201	-0.0546	0.1354	0.3693	0.7871	0.1006	0.3190	0.1276	0.4053		
136	49.20	0.04	-0.1145	-0.0178	-0.0515	0.1175	0.3406	0.7974	0.1005	0.3226	0.1260	0.4046		
137	49.36	0.05	-0.1709	-0.0252	-0.0757	0.1706	0.4429	0.7852	0.0965	0.3202	0.1222	0.4057		
138	49.53	0.03	-0.1075	-0.0261	-0.0662	0.1558	0.3952	0.7901	0.0959	0.3249	0.1204	0.4081		

PAGE 2 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RXIC-E PHI CNF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
1 130 U.S. 1.7 0.0 0.00011 C.C 0 -30 0 -30 UNKNOWN												
PCINT	ALPHA	BETA	CNFI	CH1	COL	XCPI1	YCPI1	CNF2	CH2	CB2	XCPI2	YCPI2
139	45.68	0.02	-0.1742	-0.0406	-0.0507	0.2325	0.5195	0.8118	0.0933	0.3305	0.1145	0.4076
140	45.86	0.01	-0.1555	-0.0425	-0.1031	0.2145	0.5158	0.8000	0.0914	0.3264	0.1142	0.4060
141	50.02	0.02	-0.1850	-0.0425	-0.1036	0.2311	0.5562	0.7666	0.0864	0.3230	0.1098	0.4106
142	50.20	0.02	-0.1876	-0.0351	-0.1061	0.2094	0.5131	0.7455	0.0833	0.3016	0.1116	0.4043
143	50.35	0.00	-0.1884	-0.0277	-0.1066	0.1644	0.5154	0.7184	0.0822	0.2867	0.1144	0.4015
144	50.51	0.00	-0.1531	-0.0384	-0.1082	0.1902	0.5586	0.7303	0.0819	0.2987	0.1121	0.4090
145	50.71	0.02	-0.0724	-0.0135	-0.1067	0.1804	0.5069	0.7127	0.0847	0.2925	0.1188	0.4104
146	50.88	0.03	-0.1170	-0.0174	-0.0459	0.1407	0.3923	0.7296	0.0859	0.3002	0.1177	0.4113
147	51.04	0.04	-0.1253	-0.0202	-0.0545	0.1612	0.4350	0.7468	0.0876	0.3066	0.1175	0.4132
148	51.21	0.04	-0.0673	-0.0151	-0.0385	0.1717	0.4380	0.7381	0.0884	0.3051	0.1197	0.4134
149	51.38	0.05	-0.1023	-0.0206	-0.0475	0.2005	0.4634	0.7619	0.0899	0.3155	0.1180	0.4146
150	51.55	0.04	-0.0650	-0.0152	-0.0330	0.1715	0.3855	0.7549	0.0899	0.3147	0.1191	0.4169
151	51.72	0.05	-0.1015	-0.0205	-0.0427	0.2059	0.4207	0.7620	0.0887	0.3155	0.1164	0.4146
152	51.88	0.06	-0.1243	-0.0247	-0.0386	0.2290	0.4480	0.7790	0.0911	0.3230	0.1169	0.4154
153	52.05	0.06	-0.1541	-0.0328	-0.0445	0.2126	0.4835	0.7947	0.0897	0.3250	0.1126	0.4146
154	52.22	0.06	-0.1651	-0.0313	-0.0353	0.2501	0.5045	0.8170	0.0904	0.3354	0.1106	0.4160
155	52.39	0.07	-0.1465	-0.0368	-0.0375	0.2511	0.4861	0.8155	0.0885	0.3389	0.1090	0.4156
156	52.56	0.07	-0.1755	-0.0427	-0.0486	0.2427	0.5040	0.8327	0.0898	0.3454	0.1078	0.4154
157	52.73	0.07	-0.1541	-0.0445	-0.0535	0.2313	0.5075	0.8431	0.0880	0.3494	0.1053	0.4144
158	52.89	0.05	-0.2014	-0.0524	-0.1130	0.2020	0.5011	0.8523	0.0839	0.3527	0.0984	0.4138
159	53.04	0.08	-0.1487	-0.0445	-0.0630	0.3019	0.5635	0.8543	0.0832	0.3505	0.0974	0.4103
160	53.24	0.10	-0.1042	-0.0477	-0.0744	0.4577	0.7020	0.8120	0.0745	0.3257	0.0917	0.4011
161	53.36	0.10	-0.1250	-0.0477	-0.0661	0.3697	0.6674	0.8568	0.0772	0.3477	0.0901	0.4058
162	53.54	0.09	-0.1424	-0.0506	-0.0526	0.3506	0.6503	0.8309	0.0748	0.3378	0.0900	0.4065
163	53.71	0.09	-0.1356	-0.0513	-0.0490	0.3695	0.6375	0.8309	0.0739	0.3405	0.0889	0.4098
164	53.87	0.10	-0.0646	-0.0415	-0.0535	0.6484	0.6262	0.7653	0.0716	0.3074	0.0938	0.4027
165	54.05	0.10	-0.0636	-0.0531	-0.0626	0.6350	0.7512	0.7197	0.0721	0.2851	0.1002	0.4017
166	54.19	0.10	-0.0176	-0.0254	-0.0227	1.0512	1.2753	0.7142	0.0717	0.2891	0.1004	0.4068
167	54.35	0.10	-0.0150	-0.0256	-0.0196	1.4545	0.9899	0.7209	0.0712	0.2922	0.0987	0.4053
168	54.50	0.09	0.0111	-0.0132	0.0020	-1.1089	0.1001	0.7086	0.0710	0.2877	0.1013	0.4060
169	54.66	0.10	-0.0123	-0.0212	-0.0089	1.7231	0.5610	0.7085	0.0719	0.2851	0.1015	0.4080
170	54.82	0.10	-0.0050	-0.0086	0.0050	-0.8750	0.5833	0.7225	0.0713	0.2906	0.0987	0.4105
171	54.98	0.08	-0.0063	-0.0055	-0.0045	1.5710	-0.7143	0.7084	0.0716	0.2912	0.1013	0.4111
172	55.15	0.07	-0.0113	-0.0036	0.0152	-0.3185	1.3451	0.7245	0.0711	0.2999	0.0974	0.4111
173	55.31	0.09	-0.0326	-0.0129	-0.0034	0.3556	0.1043	0.7154	0.0719	0.2939	0.1005	0.4108
174	55.46	0.07	-0.0087	-0.0064	0.0054	0.7334	-1.0805	0.7141	0.0716	0.2919	0.1002	0.4088
175	55.63	0.07	-0.0065	-0.0061	0.0075	0.8838	-1.0870	0.7280	0.0716	0.2954	0.0983	0.4113
176	55.79	0.09	-0.0234	-0.0122	0.0036	0.4002	-0.1417	0.7201	0.0706	0.2906	0.0965	0.4101
177	55.95	0.05	-0.0184	-0.0061	0.0091	0.3314	-0.4946	0.7298	0.0713	0.2955	0.0977	0.4104
178	56.10	0.07	-0.0374	-0.0056	0.0050	0.3503	-0.1025	0.7487	0.0713	0.3086	0.0952	0.4122
179	56.25	0.07	-0.0275	-0.0056	0.0004	0.3493	-0.2327	0.7600	0.0711	0.3043	0.0951	0.4112
180	56.42	0.07	-0.0144	-0.0055	0.0103	0.4213	-1.1519	0.7574	0.0717	0.3128	0.0946	0.4130
181	56.57	0.08	-0.0313	-0.0111	0.0120	0.3543	-0.3834	0.7420	0.0706	0.3061	0.0951	0.4129
182	56.72	0.06	-0.0437	-0.0114	0.0086	0.2068	-0.1466	0.7455	0.0710	0.3078	0.0952	0.4129
183	56.87	0.07	-0.0301	-0.0101	0.0149	0.3355	-0.4950	0.7580	0.0708	0.3122	0.0936	0.4136
184	57.00	0.07	-0.0444	-0.0045	0.0140	0.1002	-0.3252	0.7386	0.0712	0.3030	0.0964	0.4102

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 5 OF 5

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART PACF R10-6				PHI CONF		L		DEL1 DEL2		DEL3 DEL4 TRANSITION		
7 150 0.80 1.7				0.0 0.00011		0.0		0 -30		0 -30 UNKNOWN		
PCINT	ALPHA	BETA	CNFI	CHI	CHI	ALPFI	YCPFI	CNF2	CHI2	CHI2	XCPFI2	YCPFI2
185	57.15	0.07	-0.0372	-0.0008	0.0188	0.0188	-0.5330	0.7454	0.0713	0.3085	0.0956	0.4134
186	57.31	0.07	-0.0425	-0.0046	0.0210	0.0210	-0.4941	0.7420	0.0711	0.3068	0.0958	0.4135
187	57.43	0.05	-0.0391	-0.0066	0.0205	0.0205	-0.5243	0.7525	0.0704	0.3111	0.0935	0.4134
188	57.50	0.05	-0.0429	-0.0035	0.0342	-0.1220	-1.2000	0.7335	0.0713	0.3026	0.0972	0.4128
189	57.75	0.06	-0.0471	-0.0038	0.0285	-0.6857	-0.6136	0.7247	0.0719	0.2993	0.0952	0.4130
190	57.81	0.04	-0.0323	-0.0036	0.0311	0.0423	-0.9269	0.7545	0.0705	0.3115	0.0934	0.4129
191	57.80	0.06	-0.0404	-0.0036	0.0305	0.0691	-0.7649	0.7509	0.0712	0.3113	0.0948	0.4148
192	57.82	0.07	-0.0356	-0.0033	0.0252	0.0591	-0.4516	0.7438	0.0721	0.3079	0.0965	0.4140
193	57.81	0.05	-0.0486	-0.0008	0.0305	0.0165	-0.6356	0.7546	0.0710	0.3132	0.0941	0.4151
194	57.82	0.05	-0.0351	-0.0013	0.0289	-0.0239	-0.5768	0.7338	0.0722	0.3045	0.0984	0.4151
195	57.82	0.05	-0.0461	-0.0035	0.0344	-0.0848	-0.7462	0.7458	0.0725	0.3050	0.0972	0.4143

PAGE 3 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO-E PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
7	130	0.00	1.7	C.C	81NOF11	C.C	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CONF	CH3	CH5	ALPF3	YCPF3	CONF	CH4	CH6	XCPF4	YCPF4
1	-5.72	0.01	0.0104	5.5555	0.0137	5.5555	1.3173	-0.8381	-0.0513	-0.4046	0.0612	0.4828
2	-5.72	0.00	0.0115	5.5555	0.0138	5.5555	1.1597	-0.8325	-0.0510	-0.4016	0.0612	0.4822
3	-5.71	0.01	0.0127	5.5555	0.0148	5.5555	0.8602	-0.8382	-0.0511	-0.4047	0.0605	0.4828
4	-5.71	0.00	0.0120	5.5555	0.0138	5.5555	1.1500	-0.8301	-0.0515	-0.4040	0.0614	0.4820
5	-5.71	0.00	0.0150	5.5555	0.0153	5.5555	1.0200	-0.8331	-0.0510	-0.4023	0.0612	0.4829
6	-5.71	0.00	0.0115	5.5555	0.0138	5.5555	1.1597	-0.8305	-0.0514	-0.4033	0.0614	0.4821
7	-5.70	0.00	0.0115	5.5555	0.0138	5.5555	1.1597	-0.8348	-0.0510	-0.4025	0.0611	0.4822
8	-5.71	0.00	0.0115	5.5555	0.0155	5.5555	0.8504	-0.8316	-0.0507	-0.3996	0.0610	0.4805
9	-5.71	0.00	0.0073	5.5555	0.0128	5.5555	1.7534	-0.8366	-0.0514	-0.4027	0.0614	0.4814
10	-5.71	0.00	0.0120	5.5555	0.0138	5.5555	1.1500	-0.8297	-0.0511	-0.3995	0.0616	0.4815
11	-5.71	0.00	0.0213	5.5555	0.0170	5.5555	0.7981	-0.8297	-0.0511	-0.4002	0.0616	0.4823
12	-5.71	0.01	0.0151	5.5555	0.0147	5.5555	0.9735	-0.8333	-0.0509	-0.4017	0.0611	0.4821
13	-5.71	0.00	0.0120	5.5555	0.0128	5.5555	1.0500	-0.8297	-0.0512	-0.4009	0.0617	0.4832
14	-5.71	0.00	0.0120	5.5555	0.0132	5.5555	1.1000	-0.8290	-0.0513	-0.4015	0.0618	0.4840
15	-5.73	0.01	0.0105	5.5555	0.0115	5.5555	1.1333	-0.8277	-0.0516	-0.4002	0.0623	0.4835
16	-5.85	0.00	0.0065	5.5555	0.0110	5.5555	1.3258	-0.8303	-0.0516	-0.4035	0.0615	0.4813
17	-5.44	0.00	0.0058	5.5555	0.0115	5.5555	1.9026	-0.8207	-0.0516	-0.3925	0.0631	0.4782
18	-3.07	0.01	0.0042	5.5555	0.0114	5.5555	2.7143	-0.7808	-0.0531	-0.3792	0.0675	0.4820
19	-1.67	0.01	0.0057	5.5555	0.0121	5.5555	2.1220	-0.7930	-0.0551	-0.3772	0.0695	0.4757
20	-0.02	0.01	-0.0035	5.5555	0.0110	5.5555	-2.2204	-0.8308	-0.0530	-0.3948	0.0664	0.4718
21	1.79	0.00	0.0035	5.5555	0.0102	5.5555	4.1530	-0.8014	-0.0581	-0.4120	0.0659	0.4674
22	3.01	0.01	0.0070	5.5555	0.0177	5.5555	2.5200	-0.9073	-0.0801	-0.4310	0.0971	0.4759
23	5.41	0.01	0.0054	5.5555	0.0154	5.5555	3.5920	-0.8401	-0.0911	-0.4631	0.1074	0.4753
24	7.28	0.00	0.0037	5.5555	0.0217	5.5555	5.8049	-0.7473	-0.0645	-0.3507	0.1130	0.4773
25	9.06	0.01	-0.0020	5.5555	0.0200	5.5555	-7.9231	-0.8431	-0.0666	-0.3156	0.1348	0.4907
26	10.89	0.01	-0.0040	5.5555	0.0180	5.5555	-4.8000	-0.8000	-0.0629	-0.2734	0.1464	0.4830
27	12.68	0.01	-0.0026	5.5555	0.0224	5.5555	-8.6154	-0.4743	-0.0752	-0.2243	0.1585	0.4725
28	14.51	0.00	0.0052	5.5555	0.0218	5.5555	4.1923	-0.3709	-0.0610	-0.1657	0.1644	0.4575
29	16.40	0.00	0.0211	5.5555	0.0181	5.5555	0.8578	-0.2609	-0.0448	-0.1166	0.1717	0.4477
30	18.25	0.00	0.0212	5.5555	0.0178	5.5555	0.8302	-0.1491	-0.0273	-0.0711	0.1830	0.4769
31	20.09	0.01	0.0121	5.5555	0.0107	5.5555	0.8843	-0.0576	-0.0100	-0.0307	0.1736	0.5330
32	21.93	0.02	0.0106	5.5555	0.0082	5.5555	0.7730	0.0101	0.0125	-0.0012	0.1762	-0.0745
33	23.77	0.03	0.0045	5.5555	0.0040	5.5555	0.8889	0.0704	0.0354	0.0203	0.5027	0.2684
34	25.60	0.02	0.0137	5.5555	0.0084	5.5555	0.6131	0.0787	0.0508	0.0260	0.6453	0.3304
35	27.47	0.02	0.0270	5.5555	0.0157	5.5555	0.5088	0.0851	0.0624	0.0298	0.7331	0.3502
36	27.00	0.03	0.0365	5.5555	0.0154	5.5555	0.3257	0.0748	0.0620	0.0290	0.6287	0.3877
37	28.11	0.02	0.0337	5.5555	0.0186	5.5555	0.5519	0.1048	0.0860	0.0395	0.6256	0.3765
38	28.37	0.00	0.0429	5.5555	0.0242	5.5555	0.5781	0.0941	0.0865	0.0361	0.7065	0.3836
39	28.71	0.03	0.0384	5.5555	0.0214	5.5555	0.5573	0.1146	0.0888	0.0458	0.6002	0.3557
40	29.03	0.03	0.0462	5.5555	0.0245	5.5555	0.5903	0.1330	0.0723	0.0594	0.4706	0.3867
41	29.31	0.04	0.0461	5.5555	0.0251	5.5555	0.5445	0.1347	0.0716	0.0554	0.5314	0.4113
42	29.50	0.05	0.0446	5.5555	0.0244	5.5555	0.5471	0.1550	0.0735	0.0616	0.4741	0.3974
43	29.88	0.05	0.0415	5.5555	0.0225	5.5555	0.5518	0.1668	0.0746	0.0665	0.4471	0.3987
44	30.14	0.05	0.0431	5.5555	0.0243	5.5555	0.5630	0.1998	0.0769	0.0804	0.3848	0.4024
45	30.40	0.05	0.0365	5.5555	0.0208	5.5555	0.5637	0.2067	0.0776	0.0849	0.3753	0.4107
46	30.80	0.05	0.0261	5.5555	0.0190	5.5555	0.5977	0.2404	0.0795	0.1024	0.3226	0.4156

PAGE 3 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	RXIC-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		1.50	0.00	1.7	0.0	0	0	-30	0	-30	UNKNOWN	
POINT	ALPHA	BETA	CONF3	CONF4	CONF5	ALPFF3	YLPFF3	CONF4	CONF5	CONF6	CONF7	CONF8
47	30.96	0.04	0.0353	0.9999	0.0212	0.9999	0.6006	0.2863	0.0810	0.1185	0.2828	0.4135
48	31.24	0.03	0.0213	0.9999	0.0164	0.9999	0.7700	0.2864	0.0805	0.1211	0.2824	0.4228
49	31.49	0.04	0.0214	0.9999	0.0155	0.9999	0.7430	0.2864	0.0817	0.1240	0.2847	0.4322
50	31.76	0.05	0.0123	0.9999	0.0150	0.9999	0.8197	0.2977	0.0811	0.1300	0.2743	0.4367
51	32.03	0.05	0.0322	0.9999	0.0223	0.9999	0.6925	0.3006	0.0828	0.1343	0.2754	0.4468
52	32.26	0.06	0.0430	0.9999	0.0260	0.9999	0.6012	0.3040	0.0834	0.1379	0.2743	0.4536
53	32.55	0.06	0.0422	0.9999	0.0256	0.9999	0.6277	0.3132	0.0843	0.1428	0.2691	0.4555
54	32.80	0.05	0.0430	0.9999	0.0255	0.9999	0.6053	0.3201	0.0830	0.1278	0.2962	0.4563
55	33.05	0.06	0.0453	0.9999	0.0317	0.9999	0.6430	0.3162	0.0852	0.1472	0.2677	0.4626
56	33.30	0.06	0.0460	0.9999	0.0260	0.9999	0.6050	0.3129	0.0853	0.1468	0.2725	0.4692
57	33.55	0.08	0.0370	0.9999	0.0246	0.9999	0.6649	0.3398	0.0864	0.1603	0.2542	0.4717
58	33.78	0.08	0.0401	0.9999	0.0261	0.9999	0.6509	0.3343	0.0870	0.1567	0.2602	0.4747
59	34.05	0.08	0.0355	0.9999	0.0232	0.9999	0.6535	0.3555	0.0874	0.1714	0.2456	0.4821
60	34.30	0.09	0.0463	0.9999	0.0250	0.9999	0.6203	0.3473	0.0857	0.1680	0.2467	0.4837
61	34.54	0.08	0.0402	0.9999	0.0236	0.9999	0.5871	0.3680	0.0874	0.1769	0.2374	0.4861
62	34.78	0.10	0.0386	0.9999	0.0225	0.9999	0.5902	0.4070	0.0851	0.2002	0.2050	0.4919
63	35.01	0.10	0.0450	0.9999	0.0205	0.9999	0.5869	0.3575	0.0865	0.1571	0.2166	0.4958
64	35.24	0.05	0.0527	0.9999	0.0321	0.9999	0.6091	0.4007	0.0880	0.1994	0.2156	0.4976
65	35.48	0.08	0.0512	0.9999	0.0255	0.9999	0.5762	0.3402	0.0880	0.1707	0.2566	0.5018
66	35.71	0.09	0.0415	0.9999	0.0411	0.9999	0.5748	0.3347	0.0908	0.1702	0.2712	0.5085
67	35.94	0.06	0.0637	0.9999	0.0375	0.9999	0.5656	0.3276	0.0908	0.1677	0.2771	0.5115
68	36.18	0.08	0.0638	0.9999	0.0374	0.9999	0.5862	0.3655	0.0914	0.1654	0.2500	0.5072
69	36.42	0.08	0.0515	0.9999	0.0303	0.9999	0.5863	0.3772	0.0912	0.1518	0.2417	0.5085
70	36.65	0.07	0.0638	0.9999	0.0400	0.9999	0.6270	0.3693	0.0930	0.1888	0.2516	0.5112
71	36.85	0.07	0.0670	0.9999	0.0402	0.9999	0.6000	0.3583	0.0940	0.1835	0.2623	0.5121
72	37.11	0.07	0.0530	0.9999	0.0325	0.9999	0.6206	0.3763	0.0936	0.1940	0.2467	0.5155
73	37.34	0.07	0.0500	0.9999	0.0306	0.9999	0.6160	0.3474	0.0935	0.2186	0.2187	0.5115
74	37.57	0.08	0.0515	0.9999	0.0326	0.9999	0.6009	0.4725	0.0928	0.2397	0.1963	0.5073
75	37.81	0.08	0.0500	0.9999	0.0256	0.9999	0.5920	0.4996	0.0922	0.2522	0.1845	0.5048
76	38.03	0.08	0.0405	0.9999	0.0276	0.9999	0.6815	0.5104	0.0922	0.2596	0.1806	0.5086
77	38.27	0.08	0.0405	0.9999	0.0270	0.9999	0.6867	0.5143	0.0915	0.2638	0.1775	0.5125
78	38.48	0.08	0.0450	0.9999	0.0242	0.9999	0.6867	0.5339	0.0924	0.2730	0.1740	0.5113
79	38.71	0.08	0.0374	0.9999	0.0274	0.9999	0.7326	0.5394	0.0928	0.2767	0.1720	0.5130
80	38.95	0.05	0.0454	0.9999	0.0287	0.9999	0.6322	0.5362	0.0918	0.2763	0.1712	0.5153
81	39.15	0.05	0.0423	0.9999	0.0272	0.9999	0.6430	0.5447	0.0930	0.2664	0.1707	0.5148
82	39.34	0.09	0.0407	0.9999	0.0271	0.9999	0.6056	0.5453	0.0933	0.2624	0.1705	0.5173
83	39.56	0.05	0.0516	0.9999	0.0324	0.9999	0.6255	0.5512	0.0936	0.2848	0.1658	0.5167
84	39.78	0.10	0.0516	0.9999	0.0324	0.9999	0.6255	0.5545	0.0935	0.2889	0.1706	0.5164
85	39.96	0.05	0.0435	0.9999	0.0253	0.9999	0.6674	0.5359	0.0935	0.2887	0.1717	0.5193
86	40.17	0.05	0.0464	0.9999	0.0315	0.9999	0.6061	0.5590	0.0932	0.2896	0.1701	0.5175
87	40.38	0.05	0.0566	0.9999	0.0347	0.9999	0.6131	0.5718	0.0934	0.2573	0.1685	0.5196
88	40.57	0.07	0.0613	0.9999	0.0376	0.9999	0.6134	0.5771	0.0936	0.2977	0.1673	0.5159
89	40.75	0.08	0.0580	0.9999	0.0373	0.9999	0.6431	0.5770	0.0971	0.2998	0.1682	0.5190
90	41.00	0.07	0.0557	0.9999	0.0325	0.9999	0.6746	0.5778	0.0993	0.3095	0.1661	0.5177
91	41.19	0.06	0.0615	0.9999	0.0405	0.9999	0.6000	0.5866	0.0992	0.3116	0.1662	0.5223
92	41.36	0.07	0.0502	0.9999	0.0297	0.9999	0.6716	0.5863	0.0981	0.3081	0.1673	0.5255

PAGE 3 OF 3
SHEET 3 OF 5

PART II MISSILE TAILS EFFECTS DATA

TEST PART MACH XXIC-E PH1 CCNF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
1 130 0.00 1.2 C.C. B10U11 C.C. 0 -30 0 -30 UNKNOWN												
PLINT	ALPHA	BETA	LNFS	CM3	Co3	ACPF3	YCPF3	CNF4	Cm4	CE4	XCPF4	YCPF4
93	41.58	0.06	0.0575	5.5555	0.0355	5.5555	0.6200	0.5954	0.0974	0.3157	0.1665	0.5362
94	41.78	0.06	0.0532	5.5555	0.0324	5.5555	0.6090	0.5952	0.1002	0.3164	0.1683	0.5316
95	41.97	0.06	0.0611	5.5555	0.0362	5.5555	0.5925	0.5970	0.1000	0.3172	0.1675	0.5313
96	42.16	0.08	0.0501	5.5555	0.0305	5.5555	0.6166	0.6160	0.1020	0.3248	0.1655	0.5273
97	42.33	0.07	0.0652	5.5555	0.0340	5.5555	0.5927	0.6149	0.1013	0.3277	0.1634	0.5266
98	42.52	0.06	0.0610	5.5555	0.0301	5.5555	0.5918	0.6165	0.1015	0.3264	0.1641	0.5277
99	42.70	0.05	0.0523	5.5555	0.0338	5.5555	0.6004	0.5980	0.0988	0.3173	0.1652	0.5306
100	42.89	0.10	0.0615	5.5555	0.0373	5.5555	0.6125	0.5933	0.0969	0.3147	0.1633	0.5304
101	43.08	0.05	0.0655	5.5555	0.0355	5.5555	0.6031	0.5856	0.0952	0.3106	0.1625	0.5367
102	43.26	0.04	0.0634	5.5555	0.0407	5.5555	0.6223	0.5802	0.0868	0.3014	0.1545	0.5360
103	43.42	0.05	0.0746	5.5555	0.0465	5.5555	0.6217	0.5346	0.0837	0.2905	0.1565	0.5434
104	43.61	0.10	0.0761	5.5555	0.0430	5.5555	0.6134	0.5166	0.0753	0.2691	0.1535	0.5455
105	43.80	0.10	0.0625	5.5555	0.0435	5.5555	0.6350	0.5321	0.0761	0.2921	0.1430	0.5450
106	43.97	0.05	0.0746	5.5555	0.0470	5.5555	0.6300	0.5245	0.0752	0.2888	0.1510	0.5506
107	44.17	0.10	0.0731	5.5555	0.0483	5.5555	0.6334	0.5196	0.0761	0.2803	0.1503	0.5516
108	44.35	0.10	0.0717	5.5555	0.0491	5.5555	0.6314	0.4728	0.0746	0.2673	0.1577	0.5454
109	44.53	0.10	0.0624	5.5555	0.0514	5.5555	0.6236	0.5079	0.0761	0.2819	0.1498	0.5550
110	44.70	0.08	0.0623	5.5555	0.0427	5.5555	0.6252	0.5104	0.0761	0.2830	0.1491	0.5545
111	44.85	0.11	0.0622	5.5555	0.0438	5.5555	0.6377	0.5203	0.0784	0.2892	0.1506	0.5558
112	45.07	0.10	0.0667	5.5555	0.0432	5.5555	0.6477	0.5330	0.0716	0.2547	0.1456	0.5525
113	45.24	0.11	0.0661	5.5555	0.0445	5.5555	0.6535	0.4906	0.0742	0.2756	0.1512	0.5618
114	45.42	0.10	0.0662	5.5555	0.0446	5.5555	0.6540	0.5016	0.0762	0.2817	0.1515	0.5616
115	45.59	0.10	0.0651	5.5555	0.0431	5.5555	0.6621	0.5146	0.0751	0.2865	0.1460	0.5570
116	45.78	0.11	0.0632	5.5555	0.0335	5.5555	0.6680	0.4474	0.0736	0.2583	0.1445	0.5773
117	45.95	0.10	0.0632	5.5555	0.0435	5.5555	0.6637	0.4769	0.0751	0.2727	0.1568	0.5654
118	46.11	0.11	0.0725	5.5555	0.0474	5.5559	0.6502	0.4602	0.0751	0.2606	0.1604	0.5737
119	46.25	0.05	0.0775	5.5555	0.0503	5.5555	0.6490	0.4753	0.0754	0.2724	0.1586	0.5731
120	46.47	0.05	0.0744	5.5555	0.0466	5.5559	0.6559	0.4843	0.0751	0.2777	0.1550	0.5734
121	46.65	0.10	0.0661	5.5555	0.0445	5.5555	0.6535	0.4569	0.0762	0.2824	0.1527	0.5660
122	46.79	0.05	0.0666	5.5555	0.0425	5.5555	0.6581	0.5108	0.0775	0.2887	0.1517	0.5652
123	46.97	0.06	0.0775	5.5555	0.0577	5.5555	0.6155	0.5088	0.0783	0.2880	0.1538	0.5660
124	47.16	0.05	0.0615	5.5555	0.0405	5.5559	0.6510	0.5122	0.0785	0.2882	0.1532	0.5627
125	47.32	0.06	0.0620	5.5555	0.0410	5.5555	0.6613	0.5435	0.0790	0.3045	0.1453	0.5610
126	47.49	0.08	0.0620	5.5555	0.0404	5.5555	0.6510	0.5292	0.0790	0.2986	0.1452	0.5642
127	47.68	0.08	0.0622	5.5555	0.0442	5.5555	0.6540	0.5372	0.0810	0.3029	0.1502	0.5618
128	47.83	0.05	0.0524	5.5555	0.0355	5.5559	0.6696	0.5691	0.0818	0.3151	0.1437	0.5537
129	48.01	0.08	0.0525	5.5555	0.0362	5.5555	0.6486	0.5477	0.0822	0.3083	0.1500	0.5625
130	48.15	0.06	0.0575	5.5555	0.0381	5.5555	0.6649	0.5514	0.0816	0.3051	0.1475	0.5606
131	48.34	0.07	0.0555	5.5555	0.0374	5.5559	0.6691	0.5513	0.0805	0.3102	0.1460	0.5627
132	48.49	0.05	0.0522	5.5555	0.0380	5.5555	0.6616	0.5524	0.0824	0.3105	0.1451	0.5621
133	48.66	0.04	0.0528	5.5555	0.0360	5.5555	0.6618	0.5584	0.0852	0.3126	0.1525	0.5556
134	48.85	0.05	0.0535	5.5555	0.0360	5.5555	0.6685	0.5773	0.0825	0.3196	0.1425	0.5534
135	49.02	0.03	0.0545	5.5555	0.0367	5.5555	0.6759	0.5686	0.0818	0.3156	0.1438	0.5550
136	49.20	0.04	0.0574	5.5555	0.0386	5.5555	0.6760	0.5832	0.0810	0.3218	0.1385	0.5518
137	49.36	0.03	0.0434	5.5555	0.0315	5.5555	0.7258	0.5744	0.0838	0.3168	0.1456	0.5515
138	49.53	0.03	0.0437	5.5555	0.0345	5.5555	0.6942	0.5900	0.0803	0.3228	0.1361	0.5471

PAGE 3 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART HALF RX10-6		PHI CONF		DEL1 DEL2		DEL3 DEL4		TRANSITION					
1 150 C.EC 1.1		C.U. dino-11 C.C		U -30		U -30		UNANCHN					
PLINT	ALPHA	beta	CNF3	CH3	C83	ACPF3	YCPF3	CNF4	CF4	C84	ACPF4	YCPF4	
139	45.08	0.02	0.0450	5.5555	0.0323	5.5555	0.7176	0.5781	0.0837	0.3204	0.1447	0.5542	
140	45.00	0.01	0.0435	5.5555	0.0303	5.5555	0.6966	0.5408	0.0835	0.3232	0.1413	0.5472	
141	50.02	0.02	0.0434	5.5555	0.0315	5.5555	0.7258	0.5963	0.0827	0.3262	0.1387	0.5470	
142	50.00	0.02	0.0388	5.5555	0.0280	5.5555	0.7216	0.5804	0.0804	0.3208	0.1371	0.5467	
143	50.35	0.00	0.0385	5.5555	0.0287	5.5555	0.7376	0.5902	0.0805	0.3247	0.1352	0.5428	
144	50.51	0.00	0.0420	5.5555	0.0290	5.5555	0.7340	0.6007	0.0810	0.3246	0.1343	0.5415	
145	50.71	0.02	0.0452	5.5555	0.0311	5.5555	0.6881	0.5562	0.0782	0.3054	0.1406	0.5451	
146	50.88	0.03	0.0463	5.5555	0.0332	5.5555	0.6674	0.5630	0.0785	0.3160	0.1346	0.5455	
147	51.04	0.04	0.0467	5.5555	0.0331	5.5555	0.7038	0.5861	0.0799	0.3200	0.1363	0.5467	
148	51.21	0.04	0.0530	5.5555	0.0361	5.5555	0.6811	0.5809	0.0794	0.3180	0.1366	0.5474	
149	51.38	0.05	0.0515	5.5555	0.0342	5.5555	0.6757	0.5820	0.0799	0.3187	0.1372	0.5476	
150	51.55	0.04	0.0421	5.5555	0.0257	5.5555	0.7055	0.5766	0.0799	0.3165	0.1385	0.5456	
151	51.72	0.05	0.0432	5.5555	0.0317	5.5555	0.7271	0.5819	0.0805	0.3194	0.1380	0.5485	
152	51.88	0.06	0.0455	5.5555	0.0347	5.5555	0.6954	0.5854	0.0805	0.3210	0.1375	0.5483	
153	52.05	0.06	0.0531	5.5555	0.0362	5.5555	0.6817	0.5974	0.0808	0.3252	0.1351	0.5435	
154	52.22	0.06	0.0452	5.5555	0.0318	5.5555	0.7035	0.5998	0.0805	0.3293	0.1342	0.5498	
155	52.39	0.07	0.0564	5.5555	0.0378	5.5555	0.6702	0.6045	0.0812	0.3303	0.1343	0.5484	
156	52.56	0.07	0.0465	5.5555	0.0327	5.5555	0.6742	0.6047	0.0807	0.3303	0.1334	0.5462	
157	52.73	0.07	0.0558	5.5555	0.0393	5.5555	0.6594	0.6064	0.0793	0.3308	0.1307	0.5455	
158	52.89	0.08	0.0518	5.5555	0.0345	5.5555	0.6717	0.6085	0.0785	0.3315	0.1290	0.5448	
159	53.04	0.08	0.0559	5.5555	0.0355	5.5555	0.6594	0.6144	0.0794	0.3346	0.1292	0.5446	
160	53.24	0.10	0.0525	5.5555	0.0365	5.5555	0.6822	0.6156	0.0812	0.3382	0.1315	0.5454	
161	53.30	0.10	0.0567	5.5555	0.0380	5.5555	0.6702	0.6122	0.0807	0.3386	0.1318	0.5458	
162	53.54	0.05	0.0615	5.5555	0.0403	5.5555	0.6553	0.6193	0.0809	0.3358	0.1306	0.5487	
163	53.71	0.06	0.0504	5.5555	0.0331	5.5555	0.6587	0.6321	0.0807	0.3454	0.1276	0.5464	
164	53.87	0.10	0.0538	5.5555	0.0385	5.5555	0.6010	0.6261	0.0809	0.3429	0.1292	0.5477	
165	54.05	0.10	0.0537	5.5555	0.0353	5.5555	0.6574	0.6670	0.0833	0.3629	0.1245	0.5441	
166	54.19	0.10	0.0611	5.5555	0.0403	5.5555	0.6703	0.6707	0.0822	0.3637	0.1225	0.5423	
167	54.35	0.10	0.0535	5.5555	0.0367	5.5555	0.6809	0.6648	0.0823	0.3619	0.1238	0.5444	
168	54.50	0.05	0.0634	5.5555	0.0415	5.5555	0.6809	0.6770	0.0822	0.3675	0.1213	0.5424	
169	54.68	0.10	0.0523	5.5555	0.0367	5.5555	0.6635	0.6846	0.0829	0.3708	0.1211	0.5418	
170	54.82	0.10	0.0523	5.5555	0.0355	5.5555	0.6804	0.6741	0.0817	0.3672	0.1212	0.5447	
171	54.98	0.08	0.0571	5.5555	0.0370	5.5555	0.6880	0.6706	0.0813	0.3642	0.1212	0.5431	
172	55.15	0.07	0.0571	5.5555	0.0382	5.5555	0.6690	0.6710	0.0802	0.3641	0.1195	0.5426	
173	55.31	0.05	0.0451	5.5555	0.0331	5.5555	0.6741	0.6708	0.0807	0.3648	0.1203	0.5438	
174	55.46	0.07	0.0490	5.5555	0.0337	5.5555	0.6870	0.6552	0.0798	0.3565	0.1218	0.5447	
175	55.63	0.07	0.0537	5.5555	0.0375	5.5555	0.7058	0.6659	0.0803	0.3625	0.1206	0.5444	
176	55.79	0.05	0.0537	5.5555	0.0375	5.5555	0.7058	0.6554	0.0794	0.3582	0.1211	0.5465	
177	55.95	0.09	0.0553	5.5555	0.0380	5.5555	0.6872	0.6694	0.0808	0.3662	0.1207	0.5471	
178	56.10	0.07	0.0530	5.5555	0.0380	5.5555	0.7063	0.6635	0.0806	0.3636	0.1217	0.5480	
179	56.25	0.07	0.0588	5.5555	0.0403	5.5555	0.6877	0.6634	0.0810	0.3610	0.1221	0.5442	
180	56.42	0.07	0.0451	5.5555	0.0338	5.5555	0.6804	0.6635	0.0810	0.3623	0.1220	0.5460	
181	56.57	0.08	0.0537	5.5555	0.0375	5.5555	0.7058	0.6533	0.0801	0.3588	0.1226	0.5492	
182	56.72	0.08	0.0508	5.5555	0.0338	5.5555	0.6800	0.6533	0.0803	0.3602	0.1224	0.5514	
183	56.87	0.07	0.0538	5.5555	0.0354	5.5555	0.6580	0.6694	0.0805	0.3662	0.1208	0.5471	
184	57.00	0.07	0.0601	5.5555	0.0397	5.5555	0.6806	0.6826	0.0797	0.3645	0.1203	0.5507	

PAGE 3 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH KX10-6				PHI	CNPF	L	CEL1	CEL2	CEL3	CEL4	TRANSITION	
7	150	0.80	1.7	C.C	BLINDFILL	C.C	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CH3	CO3	ACPF3	YCPF3	CNF4	CH4	CB4	ACPF4	YCPF4
185	57.15	0.07	0.0508	5.9999	0.0351	5.9999	0.6937	0.6660	0.0606	0.3672	0.1210	0.5514
186	57.31	0.07	0.0521	5.9999	0.0365	5.9999	0.7006	0.6622	0.0608	0.3638	0.1220	0.5491
187	57.43	0.05	0.0508	5.9999	0.0351	5.9999	0.6937	0.6532	0.0606	0.3616	0.1234	0.5536
188	57.60	0.05	0.0538	5.9999	0.0372	5.9999	0.6940	0.6454	0.0782	0.3561	0.1211	0.5518
189	57.75	0.06	0.0473	5.9999	0.0335	5.9999	0.7062	0.6760	0.0791	0.3695	0.1170	0.5472
190	57.81	0.04	0.0535	5.9999	0.0351	5.9999	0.7308	0.6609	0.0605	0.3642	0.1218	0.5511
191	57.88	0.02	0.0520	5.9999	0.0358	5.9999	0.6835	0.6610	0.0803	0.3622	0.1214	0.5480
192	57.82	0.07	0.0504	5.9999	0.0365	5.9999	0.7202	0.6600	0.0811	0.3666	0.1214	0.5491
193	57.81	0.05	0.0515	5.9999	0.0376	5.9999	0.7245	0.6705	0.0804	0.3683	0.1155	0.5453
194	57.82	0.05	0.0535	5.9999	0.0377	5.9999	0.7047	0.6756	0.0813	0.3708	0.1203	0.5488
195	57.82	0.05	0.0515	5.9999	0.0370	5.9999	0.7125	0.6744	0.0795	0.3655	0.1179	0.5485

PAGE 1 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			FACE	AXIS	PHI	CONF	CELL	CELL	CELL	CELL	TRANSITION		
1			131	0.50	1.1	C.O	010011	C.C	U	-30	U	-30	UNANOM
PLINT	ALPHA	BETA	CN	CLM	CLV	CLH	CLL	CLB	CAF	ACP			
1	-5.74	0.02	-1.5930	5.5420	0.0344	-0.0518	0.0024	1.1097	0.3666	0.7431	-3.4789		
2	-5.74	0.01	-1.5166	5.5405	-0.0057	-0.0135	-0.0040	1.1110	0.3670	0.7446	-3.5133		
3	-5.74	0.00	-1.5776	5.5814	0.0755	-0.0564	-0.0039	1.1147	0.3678	0.7469	-3.5252		
4	-5.74	0.00	-1.5919	5.5567	0.0310	-0.0715	0.0025	1.1146	0.3660	0.7462	-3.4906		
5	-5.26	0.01	-1.4703	5.4446	0.1275	-0.0525	0.0029	1.1053	0.3663	0.7450	-3.7032		
6	-5.35	0.01	-1.5050	5.4535	0.1435	-0.0624	0.0032	1.0750	0.3411	0.7345	-3.5937		
7	-1.56	0.01	-1.2621	5.4577	0.0152	-0.0478	-0.0026	1.0535	0.3222	0.7314	-4.3562		
8	0.31	0.01	-1.1563	5.7825	0.1602	-0.0072	-0.0010	1.0400	0.3039	0.7362	-4.8339		
9	2.15	0.00	-1.1564	6.1746	0.0255	-0.0405	-0.0140	1.0268	0.2713	0.7555	-5.3357		
10	3.95	0.00	-1.0248	6.0562	0.0580	-0.0725	0.0058	0.9950	0.2554	0.7402	-5.9094		
11	5.80	0.01	-0.7337	5.4235	0.0555	-0.1416	-0.0001	0.9165	0.2445	0.6719	-7.3522		
12	7.68	0.00	-0.4516	4.9014	0.0315	-0.0622	0.0066	0.8424	0.2337	0.6067	-9.5711		
13	9.46	0.00	-0.2242	4.5802	-0.0065	0.2179	-0.0130	0.7660	0.2157	0.5503	-20.4544		
14	11.36	0.01	-0.0224	4.3703	-0.0710	0.0252	0.0077	0.6950	0.1932	0.5024	-195.0030		
15	13.15	0.00	0.2738	3.9066	0.0009	0.1154	0.0360	0.6265	0.1552	0.4313	14.2734		
16	15.08	0.01	0.5718	3.3070	-0.0012	0.3504	0.0069	0.5012	0.1490	0.3622	5.7835		
17	17.03	0.00	0.5653	2.6775	-0.0466	0.2315	0.0027	0.4718	0.2036	0.2682	2.7741		
18	18.93	0.01	1.3100	2.1746	-0.0205	0.7306	0.0213	0.4008	0.2075	0.2013	1.6602		
19	20.84	0.01	1.8705	1.7264	-0.3472	1.0421	0.0212	0.3405	0.2154	0.1311	1.0344		
20	22.74	0.01	1.9761	1.5266	-0.3646	1.2663	0.0215	0.2406	0.2213	0.0754	0.7733		
21	24.61	0.02	2.2555	1.3702	-0.4745	1.2562	0.0230	0.2427	0.2246	0.0161	0.5958		
22	26.54	0.01	2.7620	1.5534	0.0445	0.1580	0.0284	0.1570	0.2188	-0.0640	0.5584		
23	27.68	0.03	2.9663	1.5462	0.2517	-0.3116	0.0369	0.1157	0.2155	-0.1017	0.5219		
24	27.90	0.04	3.0333	1.4554	0.4201	-0.6323	0.0441	0.1012	0.2153	-0.1142	0.4930		
25	28.36	0.05	3.2286	1.2483	0.7166	-1.3602	0.1041	0.1046	0.2166	-0.1121	0.3860		
26	28.67	0.04	3.2400	1.2477	0.5251	-0.9150	0.0711	0.0946	0.2173	-0.1227	0.3851		
27	28.95	0.04	3.3586	1.1252	0.4746	-0.5228	0.0840	0.0886	0.2178	-0.1292	0.3311		
28	29.26	0.04	3.4436	1.0466	0.3323	-0.3056	0.0644	0.0817	0.2160	-0.1343	0.3039		
29	29.56	0.06	3.6475	1.0327	0.8854	-1.1627	0.1119	0.0545	0.2206	-0.1661	0.2831		
30	29.84	0.07	3.7328	1.1272	0.6510	-0.6200	0.0792	0.0537	0.2170	-0.1661	0.3020		
31	30.11	0.08	3.7722	0.3577	0.8575	-0.6885	0.1165	0.0486	0.2253	-0.1767	0.2364		
32	30.37	0.08	3.9276	1.1156	0.4663	-1.1766	0.1326	0.0420	0.2256	-0.1828	0.2841		
33	30.68	0.07	4.0328	1.2717	0.7794	-1.1495	0.1269	0.0431	0.2273	-0.1842	0.3153		
34	30.94	0.06	4.1773	1.3461	0.5003	-1.3674	0.1344	0.0308	0.2274	-0.1566	0.3227		
35	31.21	0.07	4.1616	1.3020	0.8528	-0.8068	0.1075	0.0251	0.2302	-0.2051	0.3114		
36	31.49	0.06	4.2650	1.2820	0.4560	-0.1100	0.0305	0.0308	0.2361	-0.2053	0.2986		
37	31.76	0.07	4.4635	1.1617	0.6477	0.1135	0.0728	0.0193	0.2465	-0.2272	0.2603		
38	32.03	0.06	4.4554	1.1794	0.5355	0.0091	0.0796	0.0170	0.2406	-0.2256	0.2623		
39	32.30	0.09	4.6478	1.2333	0.7975	-0.1435	0.0738	-0.0022	0.2495	-0.2517	0.2642		
40	32.56	0.06	4.6376	1.0861	0.5050	0.0302	0.0805	-0.0010	0.2492	-0.2502	0.2346		
41	32.83	0.10	4.9521	1.4476	1.1171	-1.1483	0.1305	-0.0316	0.2550	-0.2666	0.2924		
42	33.08	0.10	5.0164	1.4205	1.1345	-1.2705	0.1376	-0.0288	0.2492	-0.2760	0.2847		
43	33.33	0.11	5.0401	1.3984	1.2007	-1.1586	0.1248	-0.0244	0.2492	-0.2730	0.2775		
44	33.57	0.10	5.1057	1.5679	1.1347	-1.4594	0.1300	-0.0377	0.2441	-0.2816	0.3071		
45	33.83	0.09	5.2466	1.8509	1.0067	-1.6076	0.1377	-0.0639	0.2382	-0.3022	0.2526		
46	34.08	0.08	5.2711	1.4557	0.6636	-1.3514	0.1265	-0.0720	0.2449	-0.3070	0.3680		

PAGE 1 OF 3
SHEET 2 OF 6

MARIN MISSILE TAILS EFFECTS DATA

TEST PART	MALE	RATIO	PHI	CCAF	L	CELL	CELL	CELL	CELL	TRANSITION	
7	131	0.00	1.7	0.0	0.1000	0.0	0	-30	0	-30	UNKNOWN
FCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	34.32	0.00	5.3615	2.0551	0.7843	-1.2770	0.1399	-0.0636	0.2424	-0.3061	0.3841
48	34.57	0.00	5.4300	2.1520	0.6075	-1.2543	0.1272	-0.0649	0.2378	-0.3228	0.4032
49	34.62	0.05	5.5247	2.2825	0.5786	-1.2202	0.1275	-0.0916	0.2365	-0.3266	0.4131
50	35.05	0.05	5.5740	2.2750	0.6450	-1.0760	0.0603	-0.1040	0.2350	-0.3404	0.4050
51	35.25	0.03	5.6752	2.4860	0.5526	-0.9436	0.0303	-0.1116	0.2335	-0.3451	0.4378
52	35.34	0.03	5.7222	2.5307	0.5450	-0.7632	0.0455	-0.1105	0.2352	-0.3457	0.4425
53	35.70	0.04	5.7772	2.4245	0.6047	-0.7365	0.0350	-0.1271	0.2361	-0.3632	0.4157
54	35.90	0.00	5.8371	2.5068	0.6500	-0.8092	-0.0092	-0.1357	0.2352	-0.3705	0.4435
55	36.23	0.01	5.9040	2.5857	0.1344	-0.0255	-0.0222	-0.1380	0.2360	-0.3740	0.4380
56	36.46	0.01	5.9605	2.6017	0.0640	0.2174	-0.0350	-0.1402	0.2364	-0.3820	0.4346
57	36.65	0.03	6.1151	2.6100	0.4080	-0.3057	0.0312	-0.1705	0.2365	-0.4070	0.4268
58	36.94	0.02	6.2217	2.5433	0.1955	-0.1030	0.0105	-0.1757	0.2385	-0.4122	0.4168
59	37.17	0.01	6.2409	2.6036	0.2421	-0.0759	0.0377	-0.1720	0.2372	-0.4092	0.4166
60	37.39	0.00	6.3510	2.6375	0.1327	-0.2523	0.0250	-0.1801	0.2350	-0.4217	0.4166
61	37.64	0.01	6.4417	2.6502	0.2140	-0.3507	0.0456	-0.1757	0.2354	-0.4151	0.4083
62	37.80	0.01	6.5685	2.4980	0.3017	-0.4403	0.0573	-0.2050	0.2420	-0.4478	0.3803
63	38.10	0.02	6.6045	2.6436	0.4445	-0.4440	0.0752	-0.2346	0.2400	-0.4454	0.4002
64	38.33	0.02	6.6060	2.6714	0.4591	-0.4400	0.0605	-0.1997	0.2427	-0.4424	0.4006
65	38.56	0.01	6.7523	2.6044	0.2234	-0.1783	0.0532	-0.2007	0.2405	-0.4552	0.3854
66	38.70	0.01	6.7613	2.5322	0.3021	0.0150	0.0504	-0.1953	0.2524	-0.4477	0.3743
67	38.99	0.03	6.8427	2.4272	0.4445	-0.1035	0.0640	-0.2104	0.2579	-0.4683	0.3547
68	39.21	0.03	6.9740	2.5152	0.4700	0.3365	0.0514	-0.2203	0.2549	-0.4812	0.3607
69	39.41	0.01	7.0352	2.5281	0.2224	0.6293	0.0445	-0.2253	0.2554	-0.4807	0.3552
70	39.64	0.03	7.0500	2.5024	0.4001	0.7023	0.0441	-0.2404	0.2530	-0.4941	0.3611
71	39.85	-0.01	7.1451	2.5885	0.0325	0.9835	0.0309	-0.2419	0.2545	-0.4965	0.3621
72	40.04	0.02	7.2501	2.4539	0.5045	1.1712	0.0431	-0.2350	0.2621	-0.4972	0.3362
73	40.25	0.00	7.3505	2.4572	0.1236	0.6625	0.0450	-0.2550	0.2571	-0.5122	0.3357
74	40.40	0.01	7.4200	2.4212	0.2222	0.8084	0.0440	-0.2645	0.2560	-0.5212	0.3259
75	40.68	-0.00	7.4157	2.5477	0.1440	0.4346	0.0605	-0.2608	0.2511	-0.5360	0.3436
76	40.89	0.01	7.4447	2.4803	0.2075	0.6003	0.0403	-0.2520	0.2400	-0.5414	0.3317
77	41.10	0.01	7.4555	2.4455	0.2220	0.9000	0.0457	-0.3007	0.2532	-0.5559	0.3159
78	41.30	0.02	7.6121	2.4654	0.3230	0.9030	0.0450	-0.2957	0.2541	-0.5478	0.3165
79	41.49	0.01	7.7018	2.3878	0.1886	0.7695	0.0465	-0.3056	0.2537	-0.5553	0.3100
80	41.60	0.00	7.7200	2.4534	0.1396	0.6105	0.0474	-0.3024	0.2520	-0.5552	0.3149
81	41.85	0.02	7.8005	2.4060	0.4331	0.3764	0.0416	-0.3202	0.2477	-0.5675	0.3058
82	42.12	-0.01	7.9474	2.3525	0.0303	0.4305	0.0400	-0.3211	0.2549	-0.5770	0.3011
83	42.32	0.01	8.0642	2.2720	0.3127	0.4681	0.0422	-0.3264	0.2477	-0.5741	0.2817
84	42.45	-0.01	8.1075	2.3058	0.1110	0.3271	0.0360	-0.3500	0.2472	-0.5970	0.2923
85	42.67	0.00	8.1576	2.3184	0.2281	0.1591	0.0374	-0.3476	0.2465	-0.5941	0.2840
86	42.84	0.00	8.1991	2.2114	0.1522	0.5560	0.0358	-0.3447	0.2544	-0.5651	0.2714
87	43.04	-0.02	8.3636	2.1106	-0.0145	1.4284	0.0277	-0.3408	0.2579	-0.5985	0.2524
88	43.23	-0.01	8.4201	2.2405	0.0750	1.0030	0.0301	-0.3524	0.2511	-0.6035	0.2655
89	43.41	-0.01	8.4357	2.3023	0.1501	0.0160	0.0460	-0.3734	0.2460	-0.6194	0.2729
90	43.50	-0.00	8.4214	2.2553	0.1073	0.0120	0.0441	-0.3630	0.2494	-0.6130	0.2726
91	43.70	-0.03	8.6053	2.1377	0.0701	-0.5863	0.0340	-0.3840	0.2464	-0.6304	0.2484
92	43.97	-0.01	8.7451	2.1833	0.0647	0.7004	0.0513	-0.3890	0.2490	-0.6308	0.2495

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF XXIC-6											
1 131 0.90 1.7											
PHI CONF L CEL1 CEL2 CEL3 CEL4 TRANSITION											
0 0 0 0 0 0 0 0 0 0 0 0											
U -30 U -30 UNKNOWN											
PCANT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
93	44.14	-0.01	8.6546	2.1325	0.1737	0.4552	0.0454	-0.4002	0.2489	-0.6451	0.2464
94	44.34	-0.00	8.7203	2.0050	0.1354	0.3233	0.0390	-0.3900	0.2473	-0.6455	0.2380
95	44.54	0.01	8.7803	2.2454	0.3800	-0.5505	0.0558	-0.3478	0.2477	-0.6455	0.2557
96	44.72	0.01	8.8253	2.1321	0.3600	-0.2667	0.0600	-0.4104	0.2443	-0.6657	0.2400
97	44.89	-0.02	8.9401	2.1207	0.3547	0.4135	0.0352	-0.3983	0.2527	-0.6570	0.2372
98	45.07	0.02	8.9224	2.0477	0.3787	-0.3711	0.0350	-0.4252	0.2485	-0.6738	0.2348
99	45.26	0.00	9.0525	1.9786	0.3804	-0.4070	0.0365	-0.4263	0.2506	-0.6770	0.2174
100	45.43	0.00	9.1754	2.0323	0.2658	-0.2249	0.0305	-0.4506	0.2408	-0.6975	0.2221
101	45.61	0.01	9.2822	1.9048	0.3515	0.0892	0.0423	-0.4443	0.2485	-0.6929	0.2137
102	45.70	0.02	9.2676	2.0125	0.4104	0.1641	0.0353	-0.4410	0.2518	-0.6929	0.2173
103	45.90	-0.03	9.3921	1.9417	-0.1006	-0.0247	0.0368	-0.4562	0.2561	-0.7124	0.2067
104	46.16	-0.02	9.5212	1.9040	-0.1408	0.8541	0.0145	-0.4533	0.2469	-0.7023	0.2084
105	46.31	-0.01	9.6530	2.0366	0.1106	0.2532	0.0297	-0.4527	0.2485	-0.7013	0.2167
106	46.49	0.00	9.7752	2.1001	0.2161	0.2152	0.0429	-0.4501	0.2493	-0.7075	0.2215
107	46.68	0.00	9.8250	2.0350	0.2452	-0.0025	0.0574	-0.4763	0.2468	-0.7232	0.2111
108	46.84	0.01	9.7224	2.0363	0.2444	0.4016	0.0296	-0.4877	0.2514	-0.7351	0.2093
109	47.01	-0.02	9.7600	2.0888	0.0396	0.5474	0.0168	-0.4838	0.2527	-0.7334	0.2139
110	47.19	-0.01	9.7564	1.9057	0.1087	0.6015	0.0497	-0.4970	0.2455	-0.7431	0.2027
111	47.37	0.02	9.8427	2.0875	0.3482	0.1060	0.0507	-0.4786	0.2506	-0.7273	0.2120
112	47.53	-0.02	9.9502	1.9011	-0.0353	1.1580	0.0304	-0.4720	0.2535	-0.7322	0.1972
113	47.70	0.00	10.0150	1.8817	0.2022	1.8430	-0.0338	-0.4587	0.2653	-0.7261	0.1859
114	47.88	0.00	10.0255	1.9327	0.3443	0.5000	0.0369	-0.4980	0.2565	-0.7545	0.1945
115	48.05	0.01	10.1213	1.8643	0.4351	0.3780	0.0441	-0.4927	0.2550	-0.7517	0.1842
116	48.23	-0.00	10.2444	1.8331	0.1523	1.4075	-0.0114	-0.4820	0.2700	-0.7327	0.1789
117	48.39	-0.02	10.2563	1.8338	-0.1724	2.1477	-0.0336	-0.4835	0.2936	-0.7770	0.1953
118	48.55	0.00	10.3309	1.7035	0.1900	1.7508	-0.0192	-0.4798	0.2791	-0.7550	0.1649
119	48.75	-0.01	10.5109	1.4655	-0.0972	2.5250	-0.0803	-0.4618	0.3021	-0.7639	0.1358
120	48.90	-0.01	10.3801	1.5574	-0.0300	2.1952	-0.0002	-0.4402	0.2952	-0.7354	0.1500
121	49.09	-0.00	10.6350	1.3703	-0.0331	2.6879	-0.0937	-0.4480	0.3314	-0.7774	0.1288
122	49.26	-0.00	10.8822	1.2107	0.1300	2.5340	-0.0755	-0.4493	0.3335	-0.7826	0.1133
123	49.46	0.01	10.9814	0.1017	0.2327	2.4375	-0.1063	-0.4344	0.3637	-0.7561	0.0953
124	49.64	0.04	11.1764	0.0574	0.3742	2.2572	-0.0795	-0.4435	0.3953	-0.8328	0.0051
125	49.78	0.01	11.4500	0.4138	0.3255	2.3430	-0.0928	-0.4169	0.3876	-0.8045	0.0378
126	50.01	0.01	11.7230	-1.2370	0.1210	3.5601	-0.0360	-0.2645	0.4034	-0.7423	-0.1055
127	50.21	0.04	12.0355	-1.3335	0.4030	3.9084	-0.0762	-0.2975	0.4890	-0.7864	-0.1108
128	50.34	0.03	12.2520	-1.0015	0.1880	4.0650	-0.0501	-0.2802	0.5038	-0.7500	-0.1307
129	50.55	0.01	12.3385	-1.6550	0.1045	4.3552	-0.0700	-0.2800	0.5070	-0.7736	-0.1377
130	50.72	0.07	12.3114	-1.0204	0.6225	3.5112	-0.0025	-0.2805	0.4974	-0.7774	-0.1471
131	50.92	0.04	12.7630	-2.2125	0.3655	4.2711	-0.0388	-0.3124	0.5153	-0.8278	-0.1737
132	51.00	0.07	12.8641	-2.1535	0.7434	3.1720	-0.1121	-0.3463	0.4815	-0.8277	-0.1760
133	51.23	0.07	12.7654	-2.2767	0.5016	2.4350	-0.0697	-0.4326	0.4452	-0.6779	-0.1783
134	51.40	0.05	12.5004	-2.0051	0.6822	2.5051	-0.1030	-0.3870	0.4474	-0.6350	-0.1619
135	51.58	0.05	12.5537	-2.1492	0.8337	1.9530	-0.0880	-0.3837	0.4438	-0.6273	-0.1712
136	51.75	0.06	13.0527	-2.0275	0.8340	2.5271	-0.0300	-0.3435	0.4581	-0.6010	-0.2167
137	51.94	0.05	13.0564	-2.0053	0.8504	2.3298	-0.0482	-0.3151	0.4603	-0.7754	-0.1955
138	52.08	0.04	13.0041	-2.0338	0.7438	2.3804	-0.0748	-0.3051	0.4623	-0.8274	-0.2166

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RXIG-6			PHI	CONF	L	DELT	DELT2	DELT3	DELT4	TRANSITION	
7 131 C.94 1.7			C.0	0.160	0.0	0	-30	0	-30	UNKNOWN	
PLANT	ALPHA	BETA	CN	CLM	CV	CLL	CLL	CA	CAB	CAF	XCP
139	52.27	0.06	13.1002	-2.6866	1.0308	2.3349	-0.0208	-0.3243	0.4687	-0.7930	-0.2051
140	52.44	0.04	13.3254	-2.6524	1.0372	2.5801	-0.0352	-0.3330	0.4703	-0.8033	-0.2170
141	52.57	0.07	13.1366	-2.5437	1.0732	2.3234	-0.0155	-0.3178	0.4685	-0.7867	-0.1936
142	52.70	0.08	13.1030	-2.5607	1.0618	2.4304	-0.0043	-0.3022	0.4719	-0.7741	-0.1942
143	52.94	0.06	13.2400	-2.4554	0.9445	2.1894	-0.0273	-0.3174	0.4664	-0.7658	-0.1855
144	53.09	0.06	13.3352	-2.6205	0.9120	2.1880	-0.0204	-0.3113	0.4689	-0.7802	-0.1969
145	53.26	0.07	13.2800	-2.4312	1.0431	2.0710	-0.0371	-0.3085	0.4703	-0.7786	-0.1864
146	53.43	0.08	13.3175	-2.5266	1.1540	2.0714	0.0061	-0.2927	0.4750	-0.7677	-0.1743
147	53.60	0.08	13.4182	-2.5554	1.1706	1.8878	-0.0360	-0.2900	0.4752	-0.7692	-0.1850
148	53.75	0.04	13.5050	-2.5737	0.8705	1.8690	0.0211	-0.2696	0.4805	-0.7502	-0.1905
149	53.93	0.07	13.4817	-2.6005	1.0580	1.5155	0.0154	-0.2647	0.4842	-0.7788	-0.1929
150	54.08	0.07	13.5500	-2.5858	1.0231	1.5310	0.0219	-0.2604	0.4923	-0.7727	-0.1851
151	54.23	0.07	13.7353	-2.8551	1.1560	1.5701	0.0353	-0.3062	0.5086	-0.8127	-0.2082
152	54.39	0.07	13.6400	-2.8005	1.1518	1.2125	0.0235	-0.3005	0.5026	-0.8112	-0.2109
153	54.55	0.06	13.6200	-2.7471	1.1101	1.2726	0.0501	-0.3101	0.5096	-0.8196	-0.2008
154	54.69	0.06	13.6835	-2.8501	1.0575	1.0539	0.0572	-0.2852	0.5163	-0.8015	-0.1937
155	54.84	0.02	13.7371	-2.8605	0.7180	1.1850	0.0381	-0.2937	0.5150	-0.8066	-0.1959
156	55.00	0.05	13.7253	-2.7240	1.0498	1.1772	0.0308	-0.2984	0.5174	-0.8102	-0.1988
157	55.16	0.06	13.7245	-2.8525	1.1147	1.0925	0.0571	-0.3077	0.5247	-0.8323	-0.2069
158	55.31	0.04	13.8122	-2.8516	0.5930	1.1534	0.0040	-0.3015	0.5280	-0.8298	-0.1919
159	55.46	0.06	13.8630	-2.8173	1.1465	1.0738	0.0642	-0.3252	0.5272	-0.8523	-0.2018
160	55.63	0.03	13.8121	-2.8100	0.8540	1.1010	0.0300	-0.2803	0.5322	-0.8125	-0.1894
161	55.80	0.04	13.8127	-2.5840	0.8033	1.3168	0.0537	-0.2945	0.5410	-0.8360	-0.1871
162	55.90	0.05	13.8500	-2.6010	0.9037	1.2700	0.0639	-0.3031	0.5380	-0.8410	-0.1871
163	56.08	0.04	13.7570	-2.4442	0.8237	1.3536	0.0637	-0.3085	0.5426	-0.8510	-0.1771
164	56.20	0.03	13.8461	-2.3518	0.7044	1.2697	0.0640	-0.3104	0.5405	-0.8568	-0.1721
165	56.40	0.05	13.8057	-2.5711	0.5407	1.2085	0.0642	-0.3066	0.5485	-0.8534	-0.1717
166	56.55	0.01	13.8005	-2.4077	0.5070	1.0521	0.0657	-0.3141	0.5544	-0.8690	-0.1778
167	56.70	0.02	13.8305	-2.4133	0.8417	1.1538	0.0561	-0.2720	0.5641	-0.8361	-0.1745
168	56.87	0.03	13.8723	-2.5304	0.6716	1.0575	0.0523	-0.2989	0.5616	-0.8604	-0.1828
169	57.01	0.02	13.8051	-2.4341	0.5854	1.1051	0.0588	-0.2957	0.5629	-0.8585	-0.1763
170	57.16	0.03	13.9224	-2.4300	0.6566	1.3381	0.0645	-0.3058	0.5624	-0.8682	-0.1746
171	57.30	0.00	13.9304	-2.2116	0.4551	1.1821	0.0593	-0.3298	0.5535	-0.8837	-0.1588
172	57.45	0.01	13.9410	-2.2403	0.2742	1.1337	0.0532	-0.3370	0.5624	-0.8944	-0.1646
173	57.61	0.02	13.9427	-1.5456	0.2036	0.2583	0.0509	-0.4272	0.5122	-0.9354	-0.1112
174	57.74	0.04	13.8255	-1.4570	0.1172	0.1017	0.0521	-0.4567	0.5089	-0.9650	-0.1054
175	57.89	0.04	13.9205	-1.4335	0.1330	0.4579	0.0464	-0.4710	0.5089	-0.9795	-0.1030
176	58.04	0.00	14.0454	-2.0300	0.2747	1.3558	0.0275	-0.3704	0.5733	-0.9517	-0.1450
177	58.15	0.03	13.9882	-2.1548	0.2540	1.2242	0.0207	-0.3158	0.5836	-0.8997	-0.1569
178	58.15	0.06	14.0009	-2.0003	0.1543	1.2820	0.0270	-0.3300	0.5800	-0.9236	-0.1429
179	58.14	0.11	13.9159	-2.1007	0.4710	1.3549	0.0140	-0.3413	0.5770	-0.9183	-0.1514

PAGE 2 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF RX10-6			PHI CONF		DEL1 DEL2		DEL3 DEL4		TRANSITION			
/ 131 C.90 1.7			0.0 0.0011 C.C		0 -30		0 -30		UNKNOWN			
PCINT	ALPHA	BETA	CNF1	CH1	COL	XCPF1	YLFF1	CNF2	CH2	XCPF2	YCPF2	
1	-5.74	0.02	-0.0045	-0.0007	0.0055	-0.1428	-1.1224	-0.0143	-0.0486	-0.4455	0.0597	0.5471
2	-5.74	0.03	-0.0101	-0.0006	0.0036	0.0594	-0.3564	-0.0204	-0.0491	-0.4400	0.0598	0.5444
3	-5.74	0.00	-0.0062	-0.0007	0.0047	-0.1129	-0.7581	-0.0129	-0.0481	-0.4435	0.0552	0.5456
4	-5.74	0.00	-0.0075	0.0004	0.0040	-0.0533	-0.0135	-0.0204	-0.0407	-0.4400	0.0543	0.5436
5	-5.26	0.01	-0.0073	0.0001	0.0034	-0.0137	-0.4638	-0.0767	-0.0458	-0.4348	0.0633	0.5524
6	-3.33	0.00	-0.0060	0.0005	0.0030	-0.1500	-0.0000	-0.7751	-0.0502	-0.4276	0.0647	0.5516
7	-1.58	0.01	-0.0085	0.0001	0.0015	-0.0118	-0.1765	-0.7571	-0.0520	-0.4167	0.0687	0.5504
8	0.31	0.01	-0.0029	0.0013	0.0004	-0.4462	-0.1379	-0.7652	-0.0527	-0.4133	0.0689	0.5401
9	2.15	0.00	0.0012	0.0007	-0.0014	0.5832	1.1667	-0.0131	-0.0536	-0.4342	0.0659	0.5340
10	3.45	0.00	-0.0013	-0.0003	-0.0006	0.2307	0.0154	-0.0157	-0.0616	-0.4328	0.1074	0.5306
11	5.00	0.01	0.0025	0.0020	0.0122	0.7556	4.8800	-0.7016	-0.0875	-0.3854	0.1247	0.5493
12	7.00	0.00	-0.0067	0.0001	0.0055	-0.0149	-1.3001	-0.5992	-0.0825	-0.3420	0.1376	0.5706
13	9.46	0.00	-0.0039	0.0013	0.0116	-0.4432	-4.0000	-0.5068	-0.0760	-0.2946	0.1505	0.5750
14	11.36	0.01	-0.0110	-0.0018	0.0051	0.1379	-0.4347	-0.4681	-0.0834	-0.2729	0.1726	0.5645
15	13.19	0.00	-0.0314	-0.0045	-0.0003	0.1433	0.0056	-0.3913	-0.0765	-0.2242	0.1954	0.5730
16	15.00	0.01	-0.0263	-0.0037	0.0027	0.1400	-0.1027	-0.3017	-0.0617	-0.1801	0.2045	0.5565
17	17.00	0.00	-0.0013	-0.0046	-0.0015	0.1503	0.0479	-0.1958	-0.0459	-0.1268	0.2346	0.6476
18	18.43	0.00	-0.0418	-0.0062	-0.0035	0.1501	0.0837	-0.1241	-0.0283	-0.0524	0.2280	0.7446
19	20.34	0.01	-0.0423	-0.0068	0.0011	0.2080	-0.3260	-0.0803	-0.0114	-0.0532	0.1850	0.5652
20	22.74	0.01	-0.0735	-0.0135	-0.0110	0.1051	0.1376	-0.0106	0.0035	-0.0301	-0.1881	1.9405
21	24.61	0.02	-0.0735	-0.0125	-0.0132	0.1700	0.1796	0.0465	0.0260	-0.0100	0.5550	-0.2151
22	26.34	0.01	0.0066	0.0001	0.0059	0.0102	1.0102	0.1400	0.0517	0.0270	0.3540	0.1846
23	27.68	0.02	0.0073	0.0115	0.0455	0.1317	0.5716	0.1830	0.0594	0.0442	0.3150	0.2415
24	27.98	0.04	0.1452	0.0157	0.0004	0.1350	0.5537	0.2144	0.0694	0.0503	0.3031	0.2745
25	28.36	0.06	0.2028	0.0445	0.1555	0.1071	0.5789	0.2243	0.0646	0.0647	0.2879	0.2885
26	28.67	0.04	0.2130	0.0330	0.1262	0.1021	0.5570	0.2104	0.0604	0.0631	0.3035	0.2885
27	28.95	0.04	0.1765	0.0387	0.1176	0.2107	0.6599	0.2001	0.0680	0.0589	0.3427	0.2844
28	29.26	0.04	0.1372	0.0203	0.0070	0.2002	0.6341	0.2118	0.0708	0.0628	0.3342	0.2965
29	29.58	0.06	0.2750	0.0548	0.1034	0.1564	0.5057	0.2422	0.0715	0.0769	0.2968	0.3175
30	29.84	0.07	0.1515	0.0345	0.0345	0.2303	0.0172	0.2240	0.0737	0.0670	0.3285	0.3018
31	30.11	0.06	0.2518	0.0568	0.1483	0.2257	0.5894	0.2450	0.0743	0.0766	0.3032	0.3127
32	30.37	0.03	0.3124	0.0670	0.1705	0.2103	0.5727	0.2020	0.0703	0.0654	0.2903	0.3250
33	30.68	0.07	0.2907	0.0628	0.1600	0.2100	0.5710	0.2058	0.0772	0.0845	0.2906	0.3179
34	30.94	0.06	0.2404	0.0632	0.1657	0.2172	0.5627	0.2132	0.0787	0.0870	0.2880	0.3206
35	31.21	0.07	0.2450	0.0523	0.1365	0.2134	0.5571	0.2774	0.0810	0.0804	0.2519	0.3259
36	31.49	0.06	0.1768	0.0450	0.1002	0.2773	0.5604	0.2007	0.0822	0.0806	0.3081	0.3247
37	31.76	0.07	0.1132	0.0466	0.0594	0.4252	0.6148	0.2685	0.0832	0.0855	0.3150	0.3208
38	32.03	0.00	0.1500	0.0507	0.0001	0.3704	0.5757	0.2795	0.0800	0.0813	0.3065	0.3267
39	32.30	0.05	0.1676	0.0562	0.0053	0.3472	0.5603	0.2914	0.0872	0.0886	0.2992	0.3319
40	32.50	0.06	0.1004	0.0603	0.0040	0.3533	0.5569	0.2913	0.0862	0.0872	0.3027	0.3337
41	32.63	0.10	0.3055	0.0811	0.1566	0.2650	0.5119	0.3249	0.0887	0.1104	0.2729	0.3358
42	33.08	0.10	0.3167	0.0750	0.1024	0.2300	0.5120	0.3308	0.0889	0.1172	0.2663	0.3511
43	33.33	0.11	0.2614	0.0763	0.1372	0.2926	0.5249	0.3275	0.0908	0.1195	0.2772	0.3527
44	33.57	0.10	0.3501	0.0718	0.1798	0.2184	0.5049	0.3302	0.0899	0.1240	0.2566	0.3541
45	33.83	0.09	0.3077	0.0731	0.1854	0.1587	0.5157	0.3317	0.0901	0.1248	0.2561	0.3548
46	34.08	0.00	0.3552	0.0754	0.1831	0.2112	0.5097	0.3337	0.0906	0.1269	0.2561	0.3588

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME		PHI CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		131 0.00 1.7		C.C. 0.00 1.7		C.C.		0		-30		UNKNOWN	
PLINT	ALPHA	BETA	CONF1	CHI	COL	ALFF1	YCPF1	CONF2	CHI2	CONF2	YCPF2		
47	34.32	0.00	0.0014	0.0043	0.1755	0.1603	0.5152	0.3500	0.0913	0.1303	0.2550	0.3640	
48	34.37	0.00	0.0112	0.0302	0.1644	0.1770	0.5167	0.3501	0.0911	0.1303	0.2543	0.3639	
49	34.62	0.05	0.0263	0.0565	0.1747	0.1733	0.5195	0.3701	0.0913	0.1356	0.2468	0.3664	
50	35.05	0.05	0.0201	0.0433	0.1401	0.1504	0.5123	0.3770	0.0910	0.1392	0.2430	0.3668	
51	35.29	0.03	0.0348	0.0800	0.0308	0.0449	0.4095	0.3750	0.0926	0.1371	0.2487	0.3676	
52	35.34	0.03	0.1224	0.0136	0.0511	0.1111	0.4175	0.3755	0.0933	0.1420	0.2458	0.3758	
53	35.70	0.04	0.1810	0.0201	0.0732	0.1248	0.4571	0.3916	0.0935	0.1455	0.2387	0.3716	
54	35.90	0.00	0.0150	0.0004	0.0075	0.0210	0.3947	0.3793	0.0946	0.1427	0.2455	0.3762	
55	36.23	0.01	0.0242	0.0050	0.0307	0.0371	1.5165	0.3930	0.0951	0.1451	0.2419	0.3652	
56	36.46	0.01	0.0241	0.0057	0.0414	0.0332	1.4227	0.4006	0.0950	0.1467	0.2371	0.3712	
57	36.05	0.03	0.0285	0.0013	0.0020	0.0040	0.3092	0.4036	0.0940	0.1513	0.2328	0.3745	
58	36.94	0.02	0.0009	0.0003	0.0142	0.0370	1.5925	0.4100	0.0940	0.1507	0.2264	0.3791	
59	37.17	0.01	0.0301	0.0031	0.0025	0.1030	0.0963	0.4142	0.0943	0.1541	0.2288	0.3720	
60	37.39	0.00	0.0442	0.0130	0.0315	0.1300	0.3944	0.4234	0.0935	0.1504	0.2217	0.3741	
61	37.04	0.01	0.1447	0.0240	0.0362	0.1014	0.4054	0.4247	0.0950	0.1550	0.2236	0.3763	
62	37.00	0.01	0.1475	0.0230	0.0673	0.1555	0.4250	0.4300	0.0959	0.1634	0.2199	0.3748	
63	36.10	0.02	0.1550	0.0245	0.0772	0.1600	0.4481	0.4300	0.0960	0.1622	0.2220	0.3720	
64	36.33	0.02	0.1044	0.0173	0.0515	0.1574	0.4006	0.4412	0.0971	0.1624	0.2200	0.3692	
65	36.56	0.01	0.1023	0.0182	0.0442	0.1775	0.4379	0.4503	0.0978	0.1661	0.2171	0.3685	
66	36.70	0.01	0.1053	0.0190	0.0423	0.1601	0.4417	0.4502	0.0935	0.1690	0.2159	0.3718	
67	35.99	0.03	0.0545	0.0204	0.0453	0.2054	0.4302	0.4503	0.0985	0.1684	0.2150	0.3651	
68	36.21	0.03	0.0424	0.0100	0.0133	0.2540	0.3157	0.4637	0.0930	0.1715	0.2152	0.3655	
69	36.47	0.01	0.0150	0.0000	0.0001	0.4630	0.0053	0.4659	0.1011	0.1720	0.2169	0.3692	
70	36.04	0.03	0.0344	0.0110	0.0090	0.3371	0.2791	0.4659	0.1039	0.1732	0.2165	0.3718	
71	36.05	0.01	0.0140	0.0022	0.0192	0.1506	1.3151	0.4704	0.1015	0.1748	0.2157	0.3710	
72	40.04	0.02	0.0050	0.0110	0.0112	2.3594	2.2400	0.4658	0.1027	0.1702	0.2204	0.3654	
73	40.25	0.00	0.0141	0.0055	0.0055	0.4183	0.2760	0.4952	0.1018	0.1864	0.2039	0.3734	
74	40.40	0.01	0.0042	0.0116	0.0067	2.7012	1.5952	0.4855	0.1030	0.1792	0.2133	0.3651	
75	40.68	0.00	0.0515	0.0024	0.0093	0.0417	0.1017	0.5367	0.1015	0.2036	0.1884	0.3775	
76	40.89	0.01	0.0204	0.0055	0.0020	0.2031	0.0957	0.5174	0.1027	0.1940	0.1984	0.3750	
77	41.10	0.01	0.0000	0.0000	0.0000	1.0230	0.7550	0.5045	0.1035	0.1871	0.2055	0.3705	
78	41.30	0.02	0.0070	0.0003	0.0010	0.3000	0.0302	0.5213	0.1035	0.1952	0.1981	0.3744	
79	41.44	0.01	0.0270	0.0001	0.0000	0.3256	0.0326	0.5202	0.1035	0.1960	0.1967	0.3711	
80	41.68	0.00	0.0023	0.0052	0.0100	2.2003	4.0007	0.5342	0.1043	0.2002	0.1952	0.3748	
81	41.89	0.02	0.0100	0.0055	0.0150	0.5505	1.8451	0.5340	0.1050	0.2015	0.1981	0.3773	
82	42.12	0.01	0.0184	0.0073	0.0057	0.3900	0.3098	0.5447	0.1052	0.2054	0.1931	0.3771	
83	42.32	0.01	0.0037	0.0005	0.0105	1.7563	2.9459	0.5478	0.1060	0.2045	0.1934	0.3733	
84	42.49	0.01	0.0124	0.0020	0.0110	0.1612	0.8071	0.5630	0.1054	0.2130	0.1872	0.3783	
85	42.67	0.00	0.0204	0.0004	0.0050	0.0191	0.4059	0.5766	0.1056	0.2191	0.1834	0.3800	
86	42.84	0.00	0.0154	0.0001	0.0115	0.0005	0.7400	0.5807	0.1065	0.2244	0.1805	0.3812	
87	43.04	0.02	0.0752	0.0033	0.0490	0.0518	0.6516	0.5521	0.1083	0.2055	0.1961	0.3722	
88	43.23	0.01	0.0034	0.0004	0.0050	0.0092	0.8203	0.5628	0.1083	0.2095	0.1924	0.3722	
89	43.41	0.00	0.0456	0.0004	0.0053	0.0591	0.1167	0.5978	0.1073	0.2276	0.1794	0.3607	
90	43.50	0.00	0.0012	0.0004	0.0150	3.3324	13.1007	0.5735	0.1077	0.2146	0.1877	0.3742	
91	43.76	0.03	0.0173	0.0120	0.0305	0.1118	0.3402	0.6232	0.1079	0.2361	0.1731	0.3785	
92	43.97	0.01	0.0305	0.0073	0.0001	0.1927	0.0026	0.6019	0.1007	0.2246	0.1805	0.3732	

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH X10-6													
7		131		0.000		1.0		0.0		0.00011		G.C	
PHI		CNF		L		DEL1		DEL2		DEL3		DEL4	
TRANSITION		UNKNOWN											
FLINT	ALPHA	BETA	CNF1	CHI	Col	ACPF1	YCPF1	CNF2	LM2	CB2	XCPF2	YCPF2	
93	44.14	-0.01	0.0512	0.0005	0.0016	0.1736	0.0313	0.6171	0.1085	0.2308	0.1758	0.3746	
94	44.34	-0.01	0.0157	0.0013	0.0270	0.0549	1.4706	0.6019	0.1089	0.2234	0.1809	0.3712	
95	44.54	0.01	0.0554	0.0124	0.0242	0.2007	0.2391	0.6163	0.1095	0.2317	0.1771	0.3745	
96	44.72	0.01	0.0131	0.0145	0.0247	0.2067	0.3379	0.6165	0.1094	0.2252	0.1774	0.3716	
97	44.85	0.02	0.0556	0.0077	0.0015	0.1385	0.0542	0.6485	0.1103	0.2435	0.1700	0.3755	
98	45.07	0.02	0.0014	0.0005	0.0110	0.1302	0.1769	0.6469	0.1110	0.2428	0.1715	0.3753	
99	45.26	0.00	0.1017	0.0150	0.0243	0.1475	0.2389	0.6656	0.1114	0.2527	0.1663	0.3773	
100	45.43	0.00	0.0135	0.0120	0.0149	0.1652	0.1935	0.6600	0.1115	0.2495	0.1667	0.3777	
101	45.61	0.01	0.0555	0.0153	0.0171	0.1602	0.1751	0.6726	0.1114	0.2556	0.1655	0.3796	
102	45.78	0.02	0.0168	0.0124	0.0046	0.1573	0.0609	0.6690	0.1126	0.2527	0.1681	0.3774	
103	45.96	-0.03	0.0075	0.0124	0.0168	0.1837	0.2469	0.6604	0.1120	0.2519	0.1655	0.3814	
104	46.16	-0.02	0.0057	0.0012	0.0340	0.2105	0.0702	0.6594	0.1116	0.2471	0.1708	0.3776	
105	46.31	-0.01	0.0560	0.0051	0.0021	0.1625	0.0375	0.6712	0.1124	0.2540	0.1674	0.3784	
106	46.44	0.00	0.0162	0.0045	0.0132	0.2472	0.7253	0.6667	0.1116	0.2512	0.1673	0.3768	
107	46.68	0.00	0.1032	0.0165	0.0223	0.1637	0.2161	0.6579	0.1122	0.2628	0.1631	0.3820	
108	46.84	0.01	0.0565	0.0051	0.0024	0.1595	0.0367	0.6610	0.1122	0.2598	0.1645	0.3810	
109	47.01	-0.02	0.0151	0.0056	0.0361	0.2531	1.6500	0.6716	0.1127	0.2550	0.1678	0.3750	
110	47.14	-0.01	0.0235	0.0022	0.0120	0.0920	0.5336	0.6868	0.1116	0.2611	0.1627	0.3802	
111	47.37	0.02	0.0411	0.0084	0.0353	0.2043	0.9562	0.6656	0.1104	0.2507	0.1658	0.3767	
112	47.53	-0.02	0.0135	0.0032	0.0347	0.2402	2.4964	0.6616	0.1116	0.2591	0.1636	0.3800	
113	47.70	0.00	0.1053	0.0205	0.0056	0.1912	0.7632	0.6667	0.1097	0.2525	0.1645	0.3753	
114	47.86	0.00	0.0433	0.0097	0.0435	0.2240	1.0139	0.6762	0.1064	0.2554	0.1573	0.3777	
115	48.05	0.01	0.0226	0.0066	0.0307	0.3008	1.3564	0.6662	0.1084	0.2614	0.1575	0.3798	
116	48.23	-0.00	0.1047	0.0387	0.1156	0.2095	0.6270	0.7150	0.1136	0.2773	0.1566	0.3878	
117	48.39	-0.02	0.1137	0.0158	0.0848	0.1723	0.7458	0.6924	0.1117	0.2649	0.1613	0.3826	
118	48.55	0.00	0.0065	0.0114	0.0594	0.1627	0.9296	0.6944	0.1067	0.2634	0.1543	0.3810	
119	48.75	0.01	0.1535	0.0451	0.1286	0.2325	0.6643	0.7297	0.1177	0.2860	0.1613	0.3915	
120	48.90	-0.01	0.0047	0.0447	0.1304	0.2163	0.6370	0.7437	0.1170	0.2529	0.1573	0.3930	
121	49.05	-0.00	0.1925	0.0451	0.1261	0.2550	0.6551	0.7673	0.1215	0.3033	0.1583	0.3953	
122	49.26	-0.00	0.1000	0.0436	0.1128	0.2635	0.7024	0.7967	0.1164	0.3154	0.1486	0.3955	
123	49.46	0.01	0.1057	0.0357	0.1221	0.2339	0.7195	0.6225	0.1191	0.3262	0.1446	0.3968	
124	49.64	0.04	0.1537	0.0353	0.1050	0.2601	0.7762	0.6177	0.1168	0.3249	0.1452	0.3973	
125	49.78	0.01	0.1570	0.0347	0.1126	0.2592	0.7172	0.6196	0.1172	0.3220	0.1430	0.3925	
126	50.01	0.01	0.1017	0.0235	0.0053	0.2310	0.6421	0.7177	0.1136	0.2774	0.1585	0.3865	
127	50.21	0.04	0.1155	0.0277	0.0745	0.2310	0.6247	0.7673	0.1222	0.2584	0.1592	0.3885	
128	50.39	0.03	0.0112	0.0023	0.0004	0.2894	0.6561	0.7735	0.1233	0.3031	0.1555	0.3915	
129	50.55	0.01	0.1002	0.0240	0.0023	0.2380	0.6181	0.7818	0.1247	0.3080	0.1599	0.3940	
130	50.72	0.07	0.1093	0.0245	0.0000	0.2267	0.6266	0.6273	0.1266	0.3273	0.1554	0.3956	
131	50.92	0.04	0.0465	0.0234	0.0040	0.2568	0.6471	0.8446	0.1247	0.3343	0.1476	0.3958	
132	51.06	0.07	0.0710	0.0300	0.0007	0.5463	0.9394	0.9251	0.1262	0.3715	0.1364	0.4016	
133	51.23	0.07	0.0553	0.0308	0.0053	0.6878	1.1686	0.9010	0.1121	0.3505	0.1244	0.3850	
134	51.40	0.05	0.0514	0.0367	0.0020	0.7009	1.1946	0.9032	0.1180	0.3560	0.1306	0.3942	
135	51.56	0.05	0.00176	0.0363	0.0543	2.1756	3.0852	0.9250	0.1148	0.3619	0.1235	0.3912	
136	51.73	0.06	0.0427	0.0404	0.0002	0.9459	1.5003	0.9160	0.1120	0.3623	0.1222	0.3955	
137	51.94	0.05	0.0135	0.0266	0.0374	2.1328	2.7704	0.8459	0.0982	0.3273	0.1161	0.3865	
138	52.06	0.04	0.0125	0.0325	0.0326	2.6313	4.2080	0.6624	0.0984	0.3352	0.1141	0.3887	

PAGE 4 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PACF RX10-e PHI CONF 1 CELL DEL2 DEL3 DEL4 TRANSITION												
7	151	0.90	1.7	0.0	810011	0.0	J	-30	J	-30	UNKNOWN	
PLANT	ALPHA	BETA	CONF1	CH1	CH2	ACPF1	YCPF1	CONF2	CH2	CH2	ACPF2	YLPF2
139	52.27	0.06	0.0010	-0.0262	-0.0354	-14.5517	-19.6667	0.6365	0.0987	0.3240	0.1160	0.3873
140	52.44	0.04	0.0025	-0.0200	-0.0234	-0.0140	-0.5244	0.0100	0.0932	0.3162	0.1138	0.3862
141	52.57	0.07	0.0162	-0.0123	-0.0235	-1.0052	-1.3132	0.7928	0.0915	0.3046	0.1155	0.3842
142	52.76	0.00	0.0004	-0.0156	-0.0200	-32.6575	-40.0000	0.0005	0.0932	0.3103	0.1155	0.3847
143	52.94	0.00	0.0023	-0.0207	-0.0300	-0.5576	-15.3043	0.7655	0.0655	0.3017	0.1144	0.3841
144	53.07	0.00	0.0015	-0.0167	-0.0215	-1.0444	-1.2011	0.7004	0.0911	0.3058	0.1155	0.3853
145	53.26	0.07	0.0055	-0.0124	-0.0224	-1.5363	-2.3579	0.7720	0.0832	0.2965	0.1155	0.3841
146	53.43	0.00	0.0055	-0.0127	-0.0153	-0.6511	-0.7046	0.7054	0.0690	0.2953	0.1162	0.3856
147	53.60	0.00	0.0274	-0.0125	-0.0115	-0.4707	-0.4197	0.7601	0.0888	0.2944	0.1155	0.3843
148	53.75	0.04	0.0130	-0.0170	-0.0165	-1.3609	-1.2692	0.7497	0.0604	0.2874	0.1152	0.3834
149	53.90	0.07	0.0302	-0.0137	-0.0107	-0.4555	-0.3543	0.7585	0.0657	0.2921	0.1130	0.3851
150	54.08	0.07	0.0242	-0.0132	-0.0077	-0.5423	-0.3162	0.7076	0.0609	0.2974	0.1132	0.3874
151	54.23	0.07	0.0270	-0.0141	-0.0075	-0.5221	-0.2776	0.7602	0.0660	0.2954	0.1122	0.3855
152	54.39	0.07	0.0237	-0.0100	-0.0051	-0.4550	-0.2152	0.7603	0.0643	0.2930	0.1108	0.3854
153	54.55	0.06	0.0256	-0.0067	-0.0011	-0.3780	-0.0430	0.7409	0.0640	0.2843	0.1133	0.3837
154	54.69	0.00	0.0350	-0.0062	0.0073	-0.1731	0.2039	0.7423	0.0636	0.2863	0.1126	0.3857
155	54.84	0.02	0.0052	-0.0077	-0.0026	-0.0307	-0.3043	0.7313	0.0646	0.2815	0.1157	0.3845
156	55.00	0.05	0.0234	-0.0083	0.0070	-0.3540	0.2941	0.7435	0.0625	0.2857	0.1105	0.3841
157	55.16	0.06	0.0244	-0.0043	0.0007	-0.1762	0.3566	0.7496	0.0635	0.2894	0.1113	0.3866
158	55.31	0.01	0.0035	-0.0030	0.0172	-0.0035	0.4791	0.7524	0.0635	0.2916	0.1105	0.3876
159	55.48	0.06	0.0276	-0.0040	0.0107	-0.1600	0.0051	0.7511	0.0637	0.2911	0.1114	0.3876
160	55.63	0.03	0.0032	-0.0032	0.0076	-0.2424	0.5756	0.7340	0.0623	0.2670	0.1113	0.3884
161	55.80	0.04	0.0097	0.0	0.0117	0.0	1.2062	0.7300	0.0627	0.2615	0.1133	0.3856
162	55.90	0.05	0.0174	0.0010	0.0102	0.0514	0.9005	0.7287	0.0627	0.2616	0.1135	0.3864
163	56.06	0.04	0.0020	0.0015	0.0123	0.7306	4.7306	0.7193	0.0616	0.2781	0.1137	0.3886
164	56.20	0.03	0.0115	0.0030	0.0187	0.2608	1.0201	0.7177	0.0615	0.2779	0.1141	0.3872
165	56.40	0.05	-0.0071	0.0024	0.0108	-0.3379	-1.5211	0.7178	0.0615	0.2779	0.1135	0.3872
166	56.55	0.01	-0.0033	0.0025	0.0142	-0.0700	-4.3030	0.7207	0.0616	0.2812	0.1132	0.3902
167	56.70	0.03	-0.0070	0.0003	0.0117	-0.0428	-1.6714	0.7286	0.0611	0.2651	0.1113	0.3913
168	56.87	0.03	-0.0150	0.0015	0.0112	-0.0604	-0.5714	0.7310	0.0615	0.2860	0.1114	0.3905
169	57.01	0.02	-0.0356	0.0013	0.0042	-0.0326	-0.1061	0.7046	0.0797	0.2727	0.1131	0.3876
170	57.16	0.03	-0.0364	0.0031	0.0098	-0.0757	-0.2519	0.7213	0.0805	0.2624	0.1116	0.3922
171	57.30	0.00	-0.0350	0.0047	0.0094	-0.1205	-0.2410	0.7243	0.0807	0.2837	0.1114	0.3917
172	57.45	-0.01	-0.0448	0.0030	0.0065	-0.0002	-0.1300	0.7224	0.0804	0.2827	0.1113	0.3913
173	57.61	-0.02	-0.0360	-0.0006	0.0105	-0.0167	-0.3026	0.7043	0.0808	0.3116	0.1030	0.3973
174	57.74	-0.04	-0.0355	-0.0024	0.0107	0.0008	-0.2980	0.8054	0.0810	0.3225	0.1005	0.4004
175	57.89	-0.04	-0.0166	0.0005	0.0114	-0.0562	-1.2592	0.8307	0.0808	0.3346	0.0972	0.4028
176	58.04	-0.06	-0.0260	-0.0043	0.0100	0.1004	-0.0209	0.7044	0.0794	0.3051	0.1012	0.3941
177	58.15	-0.05	-0.0283	-0.0025	0.0174	0.1024	-0.0248	0.7783	0.0802	0.3082	0.1030	0.3934
178	58.15	-0.00	-0.0287	-0.0020	0.0204	0.0697	-0.7100	0.7859	0.0795	0.3049	0.1011	0.3943
179	58.14	-0.11	-0.0360	-0.0061	0.0135	0.1694	-0.3001	0.7860	0.0797	0.3101	0.1014	0.3945

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH EXID-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 1.1 0.90 1.1			C-0	0.100	C-0	0	-30	0	-30	UNKNOWN		
FLINT	ALPHA	BETA	CNF3	CH3	C03	XCPF3	YCPF3	CNF4	CH4	CE4	XCPF4	YCPF4
1	-5.74	0.02	0.0470	5.5555	0.0183	5.5555	0.3468	-0.8875	-0.0484	-0.4369	0.0545	0.4423
2	-5.74	0.04	0.0415	5.5555	0.0137	5.5555	0.3301	-0.8955	-0.0481	-0.4403	0.0537	0.4917
3	-5.74	0.00	0.0470	5.5555	0.0163	5.5555	0.3408	-0.8939	-0.0481	-0.4396	0.0538	0.4518
4	-5.74	0.00	0.0470	5.5555	0.0132	5.5555	0.3234	-0.8908	-0.0482	-0.4394	0.0541	0.4633
5	-5.20	0.01	0.0373	5.5555	0.0126	5.5555	0.3432	-0.8698	-0.0495	-0.4270	0.0569	0.4505
6	-5.33	0.01	0.0415	5.5555	0.0137	5.5555	0.3301	-0.8454	-0.0519	-0.4151	0.0614	0.4510
7	-1.50	0.01	0.0302	5.5555	0.0135	5.5555	0.4603	-0.8402	-0.0540	-0.4115	0.0638	0.4866
8	0.31	0.01	0.0274	5.5555	0.0130	5.5555	0.4963	-0.9061	-0.0571	-0.4340	0.0630	0.4796
9	2.15	0.00	0.0325	5.5555	0.0160	5.5555	0.5106	-0.9334	-0.0632	-0.4414	0.0677	0.4729
10	5.55	0.00	0.0328	5.5555	0.0164	5.5555	0.5010	-0.8875	-0.0604	-0.4314	0.1018	0.4861
11	5.60	0.01	0.0410	5.5555	0.0225	5.5555	0.5439	-0.7612	-0.0905	-0.3866	0.1158	0.4545
12	7.88	0.00	0.0203	5.5555	0.0240	5.5555	0.6401	-0.6740	-0.0809	-0.3368	0.1274	0.4597
13	5.46	0.00	0.0105	5.5555	0.0150	5.5555	1.4286	-0.6655	-0.0913	-0.3223	0.1372	0.4843
14	11.30	0.01	0.0203	5.5555	0.0225	5.5555	0.8092	-0.5500	-0.0800	-0.2800	0.1583	0.4830
15	13.19	0.00	0.0160	5.5555	0.0205	5.5555	1.1021	-0.4587	-0.0797	-0.2128	0.1737	0.4635
16	15.00	0.01	0.0325	5.5555	0.0271	5.5555	0.6390	-0.3326	-0.0626	-0.1611	0.1862	0.4844
17	17.03	0.00	0.0425	5.5555	0.0303	5.5555	0.4776	-0.2284	-0.0450	-0.1116	0.1970	0.4886
18	18.43	0.01	0.0385	5.5555	0.0145	5.5555	0.3700	-0.1109	-0.0295	-0.0681	0.2655	0.6141
19	20.64	0.01	0.0375	5.5555	0.0100	5.5555	0.2081	-0.0244	-0.0110	-0.0331	0.4507	1.3566
20	22.74	0.01	0.0387	5.5555	0.0101	5.5555	0.2010	0.0363	0.0101	-0.0043	0.2782	-0.1185
21	24.61	0.02	0.0443	5.5555	0.0111	5.5555	0.2506	0.0951	0.0364	0.0195	0.3827	0.2093
22	26.54	0.01	0.0441	5.5555	0.0231	5.5555	0.3570	0.1207	0.0515	0.0334	0.4206	0.2767
23	27.88	0.05	0.0704	5.5555	0.0252	5.5555	0.3580	0.1298	0.0571	0.0359	0.4356	0.3074
24	27.90	0.04	0.0780	5.5555	0.0201	5.5555	0.3575	0.1410	0.0604	0.0452	0.4283	0.3206
25	28.36	0.08	0.0788	5.5555	0.0251	5.5555	0.3702	0.1142	0.0613	0.0364	0.5366	0.3187
26	28.07	0.04	0.0740	5.5555	0.0272	5.5555	0.3696	0.1175	0.0614	0.0384	0.5224	0.3268
27	28.95	0.04	0.0825	5.5555	0.0301	5.5555	0.3631	0.1616	0.0846	0.0565	0.4005	0.3496
28	29.20	0.04	0.0715	5.5555	0.0246	5.5555	0.3449	0.1611	0.0661	0.0500	0.4102	0.3513
29	29.56	0.08	0.0843	5.5555	0.0324	5.5555	0.3843	0.1576	0.0681	0.0567	0.4320	0.3598
30	29.84	0.07	0.0801	5.5555	0.0275	5.5555	0.3666	0.1671	0.0600	0.0600	0.3676	0.3677
31	30.11	0.00	0.0801	5.5555	0.0321	5.5555	0.4007	0.1805	0.0655	0.0679	0.3872	0.3762
32	30.37	0.08	0.0650	5.5555	0.0361	5.5555	0.4020	0.1704	0.0725	0.0605	0.4105	0.3883
33	30.60	0.07	0.0912	5.5555	0.0357	5.5555	0.3914	0.1805	0.0741	0.0713	0.4104	0.3950
34	30.94	0.06	0.0870	5.5555	0.0343	5.5555	0.3943	0.1877	0.0759	0.0755	0.4043	0.4022
35	31.21	0.07	0.0802	5.5555	0.0310	5.5555	0.3865	0.1980	0.0777	0.0817	0.3923	0.4126
36	31.49	0.06	0.0715	5.5555	0.0261	5.5555	0.3400	0.2265	0.0771	0.0941	0.3403	0.4155
37	31.76	0.07	0.0774	5.5555	0.0297	5.5555	0.3837	0.2711	0.0793	0.1139	0.2924	0.4201
38	32.03	0.06	0.0713	5.5555	0.0250	5.5555	0.3029	0.2700	0.0795	0.1144	0.2937	0.4228
39	32.30	0.05	0.0772	5.5555	0.0313	5.5555	0.4054	0.2731	0.0816	0.1183	0.2987	0.4332
40	32.56	0.06	0.0654	5.5555	0.0357	5.5555	0.4180	0.2921	0.0805	0.1265	0.2769	0.4331
41	32.83	0.10	0.0554	5.5555	0.0418	5.5555	0.4205	0.2637	0.0831	0.1175	0.2150	0.4471
42	33.00	0.10	0.0554	5.5555	0.0413	5.5555	0.4155	0.2500	0.0847	0.1170	0.2247	0.4556
43	33.33	0.11	0.1022	5.5555	0.0615	5.5555	0.4061	0.2897	0.0831	0.1334	0.2937	0.4603
44	33.57	0.10	0.1035	5.5555	0.0432	5.5555	0.4174	0.2502	0.0858	0.1175	0.3428	0.4686
45	33.83	0.05	0.1002	5.5555	0.0457	5.5555	0.4303	0.2490	0.0843	0.1153	0.3585	0.4791
46	34.08	0.08	0.1023	5.5555	0.0437	5.5555	0.4272	0.2553	0.0904	0.1241	0.3540	0.4861

PAGE 3 OF 3
SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIC-6				PHI	CNPF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 131 0.50 1.7				0.0	BLUFI1	G.C	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	ETA	CNF3	CH3	CB3	XCFF3	YCFF3	CNF4	CH4	Cc4	XCFF4	YCFF4
93	44.14	-0.01	0.0072	5.5555	0.0253	5.5555	0.3765	0.5125	0.1104	0.2758	0.2154	0.5381
94	44.34	-0.00	0.0072	5.5555	0.0253	5.5555	0.3765	0.5425	0.1112	0.2422	0.2049	0.5386
95	44.54	0.01	0.0072	5.5555	0.0231	5.5555	0.4071	0.5267	0.1124	0.2862	0.2125	0.5451
96	44.72	0.01	0.0072	5.5555	0.0268	5.5555	0.3754	0.5443	0.1124	0.2435	0.2074	0.5392
97	44.85	0.02	0.0072	5.5555	0.0293	5.5555	0.3871	0.5271	0.1125	0.2687	0.2134	0.5471
98	45.07	0.02	0.0072	5.5555	0.0300	5.5555	0.3709	0.5268	0.1119	0.2687	0.2116	0.5460
99	45.26	0.00	0.0072	5.5555	0.0281	5.5555	0.3841	0.5297	0.1139	0.2502	0.2150	0.5475
100	45.43	0.00	0.0072	5.5555	0.0268	5.5555	0.3872	0.5344	0.1135	0.2556	0.2104	0.5480
101	45.61	0.01	0.0072	5.5555	0.0258	5.5555	0.3915	0.5351	0.1144	0.2545	0.2121	0.5463
102	45.78	0.02	0.0072	5.5555	0.0308	5.5555	0.4231	0.5407	0.1144	0.2946	0.2115	0.5448
103	45.96	-0.03	0.0072	5.5555	0.0306	5.5555	0.3959	0.5457	0.1154	0.2981	0.2110	0.5453
104	46.16	-0.02	0.0072	5.5555	0.0264	5.5555	0.3923	0.5723	0.1151	0.3105	0.2011	0.5425
105	46.31	-0.01	0.0072	5.5555	0.0292	5.5555	0.3930	0.5626	0.1154	0.3069	0.2051	0.5455
106	46.45	0.00	0.0072	5.5555	0.0251	5.5555	0.3891	0.5725	0.1150	0.3113	0.1958	0.5469
107	46.68	0.00	0.0072	5.5555	0.0270	5.5555	0.4012	0.5622	0.1154	0.3058	0.2070	0.5439
108	46.84	0.01	0.0072	5.5555	0.0248	5.5555	0.3880	0.5701	0.1167	0.3094	0.2046	0.5427
109	47.01	-0.02	0.0072	5.5555	0.0378	5.5555	0.4437	0.5632	0.1169	0.3146	0.2004	0.5354
110	47.14	-0.01	0.0072	5.5555	0.0262	5.5555	0.4358	0.5743	0.1153	0.3109	0.2007	0.5414
111	47.37	0.02	0.0072	5.5555	0.0331	5.5555	0.4390	0.5990	0.1173	0.3229	0.1958	0.5351
112	47.53	-0.02	0.0072	5.5555	0.0316	5.5555	0.4521	0.5963	0.1185	0.3221	0.1987	0.5402
113	47.70	0.00	0.0072	5.5555	0.0260	5.5555	0.4255	0.6168	0.1181	0.3331	0.1908	0.5383
114	47.86	0.00	0.0072	5.5555	0.0264	5.5555	0.4417	0.6124	0.1180	0.3303	0.1926	0.5354
115	48.05	0.01	0.0072	5.5555	0.0323	5.5555	0.4530	0.6000	0.1181	0.3274	0.1948	0.5403
116	48.23	-0.00	0.0072	5.5555	0.0235	5.5555	0.4268	0.6157	0.1221	0.3327	0.1983	0.5404
117	48.35	-0.02	0.0072	5.5555	0.0262	5.5555	0.4572	0.6260	0.1205	0.3386	0.1921	0.5405
118	48.55	0.00	0.0072	5.5555	0.0250	5.5555	0.4510	0.6281	0.1188	0.3347	0.1851	0.5408
119	48.75	-0.01	0.0072	5.5555	0.0240	5.5555	0.4181	0.6000	0.1215	0.3303	0.1958	0.5433
120	48.90	-0.01	0.0072	5.5555	0.0236	5.5555	0.4453	0.6150	0.1155	0.3343	0.1941	0.5430
121	49.05	-0.00	0.0072	5.5555	0.0301	5.5555	0.4688	0.5952	0.1172	0.3259	0.1969	0.5475
122	49.20	-0.01	0.0072	5.5555	0.0235	5.5555	0.4268	0.6000	0.1145	0.3325	0.1963	0.5463
123	49.46	0.01	0.0072	5.5555	0.0218	5.5555	0.4325	0.6315	0.1180	0.3445	0.1668	0.5455
124	49.64	0.00	0.0072	5.5555	0.0305	5.5555	0.4598	0.6203	0.1188	0.3405	0.1882	0.5485
125	49.76	0.01	0.0072	5.5555	0.0264	5.5555	0.4587	0.6091	0.1125	0.3344	0.1848	0.5450
126	50.01	0.01	0.0072	5.5555	0.0305	5.5555	0.4563	0.5473	0.1051	0.3121	0.1920	0.5703
127	50.21	0.04	0.0072	5.5555	0.0347	5.5555	0.4689	0.5470	0.1061	0.3157	0.1935	0.5771
128	50.39	0.03	0.0072	5.5555	0.0256	5.5555	0.4505	0.5412	0.1045	0.3128	0.1930	0.5780
129	50.55	0.01	0.0072	5.5555	0.0317	5.5555	0.4529	0.5479	0.1061	0.3180	0.1936	0.5804
130	50.72	0.07	0.0072	5.5555	0.0336	5.5555	0.4471	0.5558	0.1062	0.3203	0.1910	0.5763
131	50.92	0.04	0.0072	5.5555	0.0374	5.5555	0.4698	0.5511	0.1032	0.3174	0.1872	0.5759
132	51.06	0.01	0.0072	5.5555	0.0365	5.5555	0.4630	0.5545	0.1052	0.3200	0.1857	0.5782
133	51.25	0.07	0.0072	5.5555	0.0346	5.5555	0.4656	0.5534	0.0994	0.3169	0.1796	0.5726
134	51.40	0.02	0.0072	5.5555	0.0334	5.5555	0.4691	0.5519	0.1009	0.3177	0.1828	0.5756
135	51.56	0.05	0.0072	5.5555	0.0327	5.5555	0.4635	0.5528	0.0982	0.3183	0.1776	0.5722
136	51.75	0.06	0.0072	5.5555	0.0356	5.5555	0.4573	0.5541	0.0955	0.3185	0.1761	0.5657
137	51.94	0.05	0.0072	5.5555	0.0372	5.5555	0.4769	0.5521	0.0974	0.3157	0.1764	0.5718
138	52.08	0.04	0.0072	5.5555	0.0343	5.5555	0.4549	0.5595	0.0971	0.3189	0.1735	0.5700

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH X-10-E			PRT CONF		L		DEL1 DEL2 DEL3 DEL4 TRANSITION					
7 1.1 0.90 1.07			0.00 B100F11		C.C		0 -30 0 -30 UNKNOWN					
PCINT	ALPHA	BETA	CONF3	CH3	Co3	XCPF3	YCPF3	CONF4	CH4	CB4	XCPF4	YCPF4
139	52.27	0.00	0.0725	5.9999	0.0325	5.9999	0.4538	0.5567	0.0964	0.3177	0.1725	0.5686
140	52.44	0.04	0.0725	5.9999	0.0306	5.9999	0.4692	0.5462	0.0948	0.3138	0.1725	0.5724
141	52.57	0.07	0.0754	5.9999	0.0337	5.9999	0.4885	0.5540	0.0946	0.3170	0.1707	0.5722
142	52.70	0.00	0.0800	5.9999	0.0380	5.9999	0.4703	0.5605	0.0956	0.3212	0.1705	0.5731
143	52.84	0.02	0.0845	5.9999	0.0418	5.9999	0.4900	0.5401	0.0906	0.3098	0.1677	0.5738
144	53.00	0.00	0.0800	5.9999	0.0376	5.9999	0.4629	0.5440	0.0913	0.3114	0.1676	0.5710
145	53.28	0.07	0.0751	5.9999	0.0352	5.9999	0.4687	0.5440	0.0903	0.3096	0.1654	0.5691
146	53.43	0.00	0.0705	5.9999	0.0322	5.9999	0.4424	0.5408	0.0912	0.3128	0.1667	0.5721
147	53.60	0.08	0.0751	5.9999	0.0301	5.9999	0.4564	0.5506	0.0912	0.3144	0.1656	0.5710
148	53.75	0.04	0.0725	5.9999	0.0317	5.9999	0.4385	0.5723	0.0921	0.3237	0.1609	0.5656
149	53.90	0.07	0.0724	5.9999	0.0317	5.9999	0.4378	0.5644	0.0905	0.3216	0.1603	0.5698
150	54.08	0.07	0.0750	5.9999	0.0330	5.9999	0.4400	0.5655	0.0890	0.3198	0.1573	0.5659
151	54.23	0.07	0.0800	5.9999	0.0378	5.9999	0.4096	0.5775	0.0906	0.3262	0.1568	0.5648
152	54.39	0.07	0.0800	5.9999	0.0370	5.9999	0.4090	0.5870	0.0906	0.3310	0.1543	0.5636
153	54.55	0.08	0.0722	5.9999	0.0347	5.9999	0.4354	0.6045	0.0917	0.3383	0.1517	0.5596
154	54.69	0.00	0.0800	5.9999	0.0301	5.9999	0.4526	0.6100	0.0921	0.3412	0.1506	0.5588
155	54.84	0.02	0.0832	5.9999	0.0361	5.9999	0.4700	0.6151	0.0910	0.3418	0.1475	0.5557
156	55.00	0.05	0.0778	5.9999	0.0355	5.9999	0.4626	0.6017	0.0903	0.3379	0.1500	0.5616
157	55.16	0.06	0.0778	5.9999	0.0348	5.9999	0.4465	0.6144	0.0900	0.3411	0.1464	0.5592
158	55.31	0.01	0.0745	5.9999	0.0341	5.9999	0.4293	0.6153	0.0902	0.3434	0.1466	0.5581
159	55.46	0.06	0.0707	5.9999	0.0315	5.9999	0.4455	0.6222	0.0900	0.3463	0.1446	0.5566
160	55.63	0.03	0.0745	5.9999	0.0325	5.9999	0.4353	0.6178	0.0892	0.3453	0.1443	0.5589
161	55.80	0.04	0.0745	5.9999	0.0325	5.9999	0.4393	0.6119	0.0879	0.3406	0.1436	0.5566
162	55.96	0.03	0.0652	5.9999	0.0313	5.9999	0.4223	0.6212	0.0898	0.3474	0.1445	0.5592
163	56.08	0.04	0.0638	5.9999	0.0276	5.9999	0.4326	0.6319	0.0890	0.3521	0.1408	0.5572
164	56.26	0.03	0.0653	5.9999	0.0297	5.9999	0.4206	0.6147	0.0885	0.3432	0.1439	0.5583
165	56.40	0.05	0.0653	5.9999	0.0314	5.9999	0.4531	0.6274	0.0883	0.3499	0.1407	0.5577
166	56.55	0.01	0.0747	5.9999	0.0306	5.9999	0.4706	0.6335	0.0889	0.3522	0.1403	0.5560
167	56.70	0.03	0.0664	5.9999	0.0300	5.9999	0.4510	0.6220	0.0872	0.3466	0.1402	0.5572
168	56.87	0.03	0.0718	5.9999	0.0337	5.9999	0.4694	0.6330	0.0872	0.3520	0.1377	0.5561
169	57.01	0.02	0.0718	5.9999	0.0343	5.9999	0.4777	0.6519	0.0872	0.3592	0.1337	0.5516
170	57.16	0.03	0.0609	5.9999	0.0340	5.9999	0.4435	0.6358	0.0850	0.3515	0.1337	0.5528
171	57.30	0.00	0.0731	5.9999	0.0345	5.9999	0.4692	0.6545	0.0853	0.3610	0.1303	0.5516
172	57.45	0.01	0.0622	5.9999	0.0291	5.9999	0.4678	0.6465	0.0843	0.3561	0.1304	0.5508
173	57.61	0.02	0.0554	5.9999	0.0255	5.9999	0.4293	0.6623	0.0853	0.3650	0.1288	0.5511
174	57.74	0.04	0.0609	5.9999	0.0273	5.9999	0.4498	0.6765	0.0849	0.3695	0.1255	0.5462
175	57.89	0.04	0.0650	5.9999	0.0293	5.9999	0.4508	0.6824	0.0847	0.3721	0.1241	0.5453
176	58.04	0.00	0.0552	5.9999	0.0241	5.9999	0.4360	0.6122	0.0843	0.3385	0.1377	0.5525
177	58.15	0.05	0.0524	5.9999	0.0244	5.9999	0.4656	0.5823	0.0844	0.3241	0.1449	0.5566
178	58.15	0.06	0.0457	5.9999	0.0220	5.9999	0.4427	0.6195	0.0856	0.3433	0.1385	0.5542
179	58.14	0.11	0.0510	5.9999	0.0232	5.9999	0.4569	0.5968	0.0848	0.3317	0.1421	0.5558

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

POINT	TEST PART MACH NO. 1.7			PHI CONF		L		CEL1	DEL2	CEL3	CEL4	TRANSITION
	ALPHA	BETA	CN	CLM	CV	CLN	CLL	U	-30	U	-30	UNKNOWN
1	-5.75	0.01	-1.7828	6.5604	0.0643	-0.0686	-0.0329	1.1792	0.3740	0.6052	-3.6802	
2	-5.75	0.00	-1.7554	6.5704	-0.0286	0.0334	-0.0392	1.1745	0.3737	0.6058	-3.6558	
3	-5.75	0.01	-1.7533	6.5575	0.0500	-0.0657	-0.0328	1.1653	0.3729	0.6124	-3.6791	
4	-5.76	0.00	-1.8174	6.6163	0.0000	-0.0690	-0.0331	1.1626	0.3771	0.6055	-3.6405	
5	-5.68	0.01	-1.7856	6.7073	-0.0070	-0.0665	-0.0308	1.1777	0.3733	0.6246	-3.7562	
6	-3.83	0.00	-1.7713	7.2424	-0.0460	0.1690	-0.0303	1.2198	0.3646	0.6550	-4.0689	
7	-2.08	0.01	-1.8284	8.0336	-0.0245	-0.0602	0.0108	1.2373	0.3149	0.5225	-4.3536	
8	-0.28	0.01	-1.8813	7.8853	-0.0003	-0.0605	-0.0307	1.2053	0.2937	0.5117	-4.6924	
9	1.54	0.01	-1.4553	7.3550	-0.0102	-0.0466	-0.0304	1.1363	0.2740	0.6622	-5.0816	
10	3.40	0.01	-1.1208	6.4276	0.0406	-0.0532	-0.0301	1.0427	0.2636	0.7791	-5.7349	
11	5.24	0.01	-0.7925	5.5063	0.0312	-0.0027	-0.0339	0.9563	0.2736	0.6827	-7.0237	
12	7.14	0.01	-0.5228	5.0626	0.0256	-0.0332	-0.0354	0.8874	0.2574	0.6049	-9.5023	
13	8.58	0.01	-0.3358	4.5429	-0.0036	0.0511	-0.0350	0.7992	0.2250	0.5742	-14.5853	
14	10.09	0.01	-0.0503	4.4371	0.0066	-0.0013	-0.0342	0.7204	0.2096	0.5108	-78.7712	
15	12.65	0.01	0.2422	3.5515	0.0172	-0.0322	-0.0335	0.6548	0.2056	0.4468	18.4786	
16	14.58	0.01	0.5838	3.4305	-0.0165	0.0412	0.0331	0.5891	0.2014	0.3877	5.6768	
17	16.54	-0.00	0.9044	2.9079	-0.1067	0.2538	-0.0326	0.5033	0.1986	0.3047	3.0137	
18	18.45	0.00	1.3302	2.3055	-0.1416	0.3077	-0.0319	0.4154	0.1946	0.2206	1.7813	
19	20.41	0.01	1.7321	1.9453	-0.1586	0.6252	-0.0320	0.3466	0.1996	0.1490	1.1254	
20	22.34	0.01	2.2005	1.6062	-0.0748	0.3747	-0.0232	0.2904	0.1991	0.0912	0.8161	
21	24.31	0.00	2.8551	1.5606	-0.1045	0.5585	-0.0330	0.2312	0.1964	0.0348	0.6557	
22	26.25	0.05	3.4569	2.1177	0.5061	-1.2903	0.0750	0.1726	0.1955	-0.0209	0.6122	
23	27.59	0.00	3.6787	2.1256	0.5156	-2.2155	0.1199	0.1141	0.2052	-0.0551	0.5480	
24	27.59	0.00	3.9159	2.1606	0.5022	-2.0521	0.1300	0.1202	0.2111	-0.0905	0.5528	
25	28.34	0.00	4.0417	2.1022	0.6086	-1.9728	0.1302	0.0918	0.2107	-0.1105	0.5201	
26	28.59	0.05	4.0526	2.1055	1.0474	-2.3395	0.1030	0.1059	0.2131	-0.1073	0.5146	
27	28.52	0.07	4.2671	2.3237	0.7517	-1.4436	0.1148	0.0579	0.2104	-0.1525	0.5446	
28	29.25	0.07	4.3188	2.3896	0.8243	-1.8501	0.1512	0.0613	0.2047	-0.1434	0.5533	
29	29.52	0.07	4.3632	2.2850	0.7765	-1.5933	0.1272	0.0573	0.2077	-0.1504	0.5213	
30	29.81	0.06	4.4904	2.3457	0.8006	-1.7503	0.1519	0.0498	0.2066	-0.1568	0.5224	
31	30.09	0.07	4.5564	2.4727	0.8750	-1.2342	0.1157	0.0432	0.2073	-0.1641	0.5427	
32	30.37	0.07	4.6112	2.4707	0.7474	-1.4502	0.1165	0.0406	0.2116	-0.1710	0.5289	
33	30.64	0.10	4.8444	2.3652	1.1358	-2.4511	0.1539	0.0383	0.2151	-0.1768	0.4882	
34	30.92	0.09	4.8415	2.6026	0.5066	-2.2267	0.1539	0.0242	0.2067	-0.1825	0.5375	
35	31.20	0.08	4.5653	2.7992	0.8225	-1.8614	0.1183	-0.0062	0.2013	-0.2075	0.5637	
36	31.47	0.11	4.5013	2.6054	1.1063	-2.6396	0.1047	0.0216	0.2041	-0.1825	0.5233	
37	31.73	0.09	5.0536	2.7860	0.5264	-1.5988	0.1307	0.0008	0.2052	-0.2044	0.5473	
38	32.01	0.07	5.1460	2.5287	0.6376	-1.3533	0.0605	-0.0219	0.1924	-0.2208	0.5689	
39	32.27	0.05	5.2174	2.5651	0.3082	-0.4570	0.0101	-0.0365	0.1887	-0.2252	0.5691	
40	32.53	0.06	5.4006	2.5630	0.5079	-1.0616	0.0415	-0.0326	0.1926	-0.2252	0.5524	
41	32.80	0.04	5.4824	3.0418	0.2125	-0.3504	0.0292	-0.0478	0.1865	-0.2343	0.5548	
42	33.06	0.05	5.5500	3.1215	0.3446	-0.0301	0.0297	-0.0543	0.1855	-0.2358	0.5618	
43	33.30	0.03	5.8357	3.1374	0.1360	-0.2819	0.0239	-0.0675	0.1857	-0.2332	0.5567	
44	33.57	0.04	5.7641	2.9011	0.2346	-0.2425	0.0235	-0.0546	0.1899	-0.2447	0.5172	
45	33.81	0.06	5.7262	3.2280	0.4718	-0.5845	0.0300	-0.0628	0.1801	-0.2629	0.5637	
46	34.07	0.05	6.0570	2.7864	0.4410	-0.8824	0.0650	-0.0675	0.1951	-0.2650	0.4570	

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH NO		PHI		CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		132 1.00 1.7		0.00 0.100 F11		0.0		0		-30		0		-30		UNKNOWN	
PCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP						
47	34.34	0.07	0.1677	2.8384	0.6272	-1.1081	0.0657	-0.0674	0.1907	-0.2581	0.4602						
48	34.30	0.05	0.2325	2.8356	0.5172	-1.0245	0.0657	-0.0717	0.1805	-0.2586	0.4549						
49	34.62	0.05	0.4017	2.7958	0.4043	-0.9061	0.1405	-0.0678	0.1584	-0.2862	0.4374						
50	35.07	0.04	0.4030	2.7661	0.0052	-1.0272	0.1405	-0.0732	0.1508	-0.2700	0.4216						
51	35.32	0.07	0.5034	2.8722	0.0463	-1.5217	0.1165	-0.0449	0.1951	-0.2501	0.4416						
52	35.33	0.06	0.5015	2.8250	0.0192	-1.7610	0.1236	-0.1025	0.1916	-0.2941	0.4445						
53	35.75	0.05	0.6452	2.8275	0.0501	-1.4895	0.1176	-0.1098	0.1907	-0.3005	0.4403						
54	36.03	0.06	0.7061	2.8222	0.0622	-1.5712	0.1122	-0.0905	0.2021	-0.2986	0.4011						
55	36.26	0.07	0.8304	2.8605	0.0605	-1.6622	0.1127	-0.1083	0.1963	-0.3066	0.4188						
56	36.50	0.08	1.0200	2.8335	0.0042	-1.5302	0.1371	-0.1302	0.1900	-0.3282	0.3918						
57	36.76	0.08	1.1000	2.7505	0.0489	-1.6080	0.1324	-0.1429	0.1913	-0.3342	0.3847						
58	36.95	0.06	1.1715	2.6503	0.1203	-1.6325	0.1142	-0.1205	0.1947	-0.3212	0.3760						
59	37.23	0.06	1.2522	2.7055	0.1174	-1.5505	0.1144	-0.1375	0.1922	-0.3301	0.3814						
60	37.46	0.06	1.2700	2.8184	0.1026	-1.6342	0.1147	-0.1209	0.1891	-0.3180	0.3872						
61	37.70	0.06	1.3236	2.8387	0.0470	-2.0448	0.1030	-0.1552	0.1872	-0.3464	0.3507						
62	37.93	0.06	1.6021	2.7412	0.1410	-1.5021	0.1215	-0.1577	0.1805	-0.3402	0.3606						
63	38.17	0.04	1.6306	2.7656	0.2347	-0.7358	0.0088	-0.1724	0.1786	-0.3510	0.3651						
64	38.39	0.04	1.7207	2.8007	0.4002	-1.0441	0.0506	-0.1740	0.1799	-0.3535	0.3454						
65	38.62	0.04	1.8403	2.8002	0.4744	-1.2468	0.0629	-0.1752	0.1814	-0.3566	0.3298						
66	38.84	0.04	1.9430	2.7143	0.4715	-1.2848	0.0576	-0.1907	0.1750	-0.3657	0.3410						
67	39.06	0.04	2.0372	2.8046	0.4562	-1.2475	0.0637	-0.2023	0.1765	-0.3742	0.3288						
68	39.27	0.05	2.0542	2.8042	0.7543	-1.7020	0.1056	-0.1773	0.1801	-0.3654	0.3353						
69	39.48	0.02	2.1328	2.8045	0.4237	-1.2714	0.0541	-0.2218	0.1804	-0.3902	0.3313						
70	39.69	0.03	2.1835	2.8257	0.5456	-1.3340	0.0504	-0.2138	0.1777	-0.3935	0.3094						
71	39.89	0.03	2.2276	2.8475	0.5751	-1.3878	0.0704	-0.2226	0.1723	-0.3945	0.3056						
72	40.11	0.03	2.3710	2.8100	0.5505	-1.2455	0.0027	-0.2219	0.1749	-0.3968	0.3008						
73	40.24	0.01	2.3571	2.8771	0.4083	-1.1332	0.0296	-0.2285	0.1727	-0.4016	0.3083						
74	40.51	0.01	2.5146	2.8552	0.3554	-1.1417	0.0361	-0.2413	0.1696	-0.4109	0.3116						
75	40.73	0.03	2.6135	2.8755	0.5505	-1.2127	0.0425	-0.2442	0.1693	-0.4135	0.2879						
76	40.92	0.03	2.6572	2.8943	0.5032	-1.1448	0.0721	-0.2502	0.1738	-0.4240	0.2985						
77	41.14	0.01	2.7074	2.8224	0.4412	-1.0105	0.0602	-0.2523	0.1693	-0.4216	0.3012						
78	41.35	0.03	2.7540	2.8558	0.5651	-1.0451	0.0546	-0.2694	0.1621	-0.4315	0.3020						
79	41.54	0.00	2.8007	2.8288	0.3681	-1.2051	0.0025	-0.2558	0.1715	-0.4273	0.2704						
80	41.73	0.02	2.8412	2.8066	0.5066	-0.5515	0.0012	-0.2638	0.1693	-0.4331	0.2825						
81	41.93	0.02	2.8813	2.8425	0.5456	-1.1251	0.0616	-0.2627	0.1651	-0.4278	0.2932						
82	42.13	0.03	2.9154	2.8012	0.5441	-0.6005	0.1004	-0.2679	0.1654	-0.4333	0.2689						
83	42.30	0.02	2.9573	2.8584	0.5001	-1.2458	0.0501	-0.2903	0.1616	-0.4518	0.2812						
84	42.49	0.04	2.9610	2.7000	0.4404	-0.7650	0.0679	-0.2701	0.1584	-0.4365	0.3008						
85	42.68	0.01	2.9661	2.8826	0.3577	-0.7558	0.0859	-0.2813	0.1633	-0.4446	0.2757						
86	42.80	0.02	2.9610	2.8000	0.4653	-0.7058	0.0604	-0.2433	0.1576	-0.4508	0.2864						
87	43.04	-0.00	2.9601	2.8204	0.2631	-0.2884	0.0000	-0.2898	0.1649	-0.4546	0.2636						
88	43.22	-0.00	2.9442	2.7703	0.3380	-0.7004	0.0505	-0.2926	0.1503	-0.4426	0.2932						
89	43.41	-0.01	2.9469	2.8750	0.2550	-0.7755	0.0357	-0.3015	0.1576	-0.4590	0.2462						
90	43.60	-0.00	2.9420	2.8550	0.3155	-0.8407	0.0578	-0.2942	0.1629	-0.4570	0.2457						
91	43.76	0.00	2.9435	2.8615	0.3073	-0.2593	0.0748	-0.3010	0.1508	-0.4577	0.2639						
92	43.94	-0.00	2.9000	2.8454	0.3440	-0.4406	0.0752	-0.3043	0.1614	-0.4656	0.2550						

PAGE 1 OF 3
SHEET 3 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CLNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 132 1.00 1.7			G.C	Black	U.0	U	-30	U	-30	UNKNOWN	
FCINT	ALPHA	BETA	CN	CLM	CL	CLN	CLL	CA	CAD	CAF	XCP
93	44.12	-0.00	9.8269	2.7302	0.3401	-0.5531	0.0757	-0.3248	0.1584	-0.4832	0.2785
94	44.32	-0.00	10.0365	2.5036	0.2794	-0.4687	0.0644	-0.3174	0.1534	-0.4707	0.2454
95	44.50	0.00	9.8548	2.5055	0.3056	-0.0864	0.0807	-0.3193	0.1487	-0.4679	0.2940
96	44.69	-0.00	10.0909	2.4465	0.3435	-0.4904	0.0543	-0.3164	0.1566	-0.4734	0.2425
97	44.88	0.00	10.2154	2.3335	0.3553	-1.0530	0.0423	-0.3199	0.1627	-0.4826	0.2284
98	45.03	0.01	10.0855	2.5032	0.4103	-1.3125	0.0048	-0.3223	0.1623	-0.4848	0.2566
99	45.23	0.00	10.2576	2.4715	0.3205	-0.2720	0.0768	-0.3271	0.1625	-0.4856	0.2400
100	45.35	0.00	10.1162	2.4905	0.2648	0.1106	0.0809	-0.3330	0.1530	-0.4860	0.2808
101	45.55	0.01	10.4064	2.6452	0.3201	-0.1720	0.0828	-0.3416	0.1565	-0.4965	0.2542
102	45.75	0.00	10.5517	2.3024	0.3121	-0.3404	0.0601	-0.3349	0.1591	-0.4990	0.2181
103	45.91	0.00	10.3354	2.7427	0.3675	-0.3366	0.0857	-0.3460	0.1581	-0.5041	0.2653
104	46.05	0.00	10.4721	2.6942	0.3460	-0.2343	0.0658	-0.3432	0.1595	-0.5027	0.2572
105	46.27	0.01	10.4368	2.7784	0.3106	-0.2387	0.0596	-0.3489	0.1707	-0.5176	0.2662
106	46.43	-0.04	10.4611	2.9135	0.3385	0.0494	0.0709	-0.3560	0.1770	-0.5130	0.2780
107	46.60	-0.00	10.5365	3.0293	0.3614	0.0071	0.0655	-0.3295	0.2044	-0.5339	0.2875
108	46.80	0.00	10.6152	2.9142	0.3711	0.2266	0.0592	-0.3134	0.2354	-0.5488	0.2232
109	46.97	0.02	10.8641	1.7628	0.5223	0.0325	0.0595	-0.2775	0.2527	-0.5702	0.1647
110	47.15	0.01	11.1361	1.2056	0.4604	0.4105	0.0505	-0.2929	0.2972	-0.5500	0.1086
111	47.31	0.00	11.0218	1.4788	0.3433	0.4505	0.0504	-0.2653	0.2964	-0.5817	0.1340
112	47.50	0.02	11.3245	0.4767	0.3447	1.4574	0.0193	-0.2640	0.3044	-0.5684	0.0416
113	47.65	0.03	11.4554	0.4558	0.3536	1.6166	-0.0042	-0.2454	0.3286	-0.5740	0.0174
114	47.86	0.02	11.6367	-0.0181	0.4247	1.3664	-0.0260	-0.1954	0.3436	-0.5390	-0.0016
115	48.03	0.03	11.6137	0.2413	0.4487	1.5545	-0.0063	-0.2128	0.3380	-0.5506	0.0208
116	48.23	0.04	11.9375	-0.5501	0.5212	1.6053	-0.0204	-0.1864	0.3519	-0.5203	-0.0444
117	48.37	0.03	11.7532	-0.2151	0.4670	1.7391	-0.0154	-0.2047	0.3319	-0.5368	-0.0183
118	48.50	0.03	11.9417	-0.5725	0.4123	1.6841	-0.0213	-0.1857	0.3443	-0.5300	-0.0480
119	48.73	0.04	12.0464	-0.5024	0.3502	1.9390	-0.0153	-0.2028	0.3428	-0.5456	-0.0417
120	48.92	0.03	12.2869	-0.7680	0.4355	1.6511	-0.0143	-0.1994	0.3506	-0.5560	-0.0640
121	49.07	0.03	12.0509	-0.4653	0.4196	2.0302	-0.0155	-0.2254	0.3255	-0.5553	-0.0389
122	49.26	0.03	12.3612	-0.7057	0.4125	1.6511	-0.0062	-0.2160	0.3303	-0.5403	-0.0574
123	49.43	0.03	12.2858	-0.3256	0.4405	1.7184	-0.0075	-0.2473	0.3231	-0.5704	-0.0265
124	49.63	0.03	12.5060	-0.6219	0.3568	1.6245	-0.0014	-0.2323	0.3220	-0.5543	-0.0457
125	49.80	0.03	12.4531	-0.3618	0.4357	1.6342	-0.0108	-0.2303	0.3297	-0.5600	-0.0451
126	49.98	0.03	12.6423	-0.5541	0.4527	1.4633	0.0176	-0.2162	0.3362	-0.5524	-0.0518
127	50.13	0.02	12.5804	-0.6118	0.3613	1.6215	-0.0004	-0.2454	0.3317	-0.5771	-0.0645
128	50.33	0.03	12.7514	-0.8454	0.4718	1.3715	0.0302	-0.2275	0.3305	-0.5644	-0.0684
129	50.48	-0.00	12.6188	-0.8076	0.3117	1.1293	0.0367	-0.2426	0.3245	-0.5671	-0.0640
130	50.64	-0.01	12.3805	-0.3418	0.2356	1.0735	0.0364	-0.2847	0.3117	-0.5564	-0.0276
131	50.80	-0.02	12.4236	-0.4193	0.2260	0.8763	0.0491	-0.2461	0.3090	-0.5551	-0.0337
132	50.98	-0.01	12.6586	-0.6563	0.2759	0.8916	0.0496	-0.2362	0.3316	-0.5698	-0.0520
133	51.13	-0.00	12.3350	-0.3320	0.3813	0.7823	0.0609	-0.2331	0.3166	-0.5497	-0.0026
134	51.32	-0.01	12.5865	-0.6226	0.3004	0.8554	0.0615	-0.1805	0.3548	-0.5353	-0.0018
135	51.47	0.00	12.4521	-0.1667	0.4175	0.7792	0.0615	-0.1831	0.3489	-0.5300	-0.0139
136	51.66	-0.00	12.6620	-0.1621	0.4151	0.7492	0.0621	-0.1757	0.3409	-0.5146	-0.0128
137	51.79	-0.01	12.5662	-0.3005	0.3197	0.7865	0.0814	-0.2065	0.3517	-0.5582	-0.0243
138	51.98	-0.01	12.4032	-0.2410	0.3154	0.7871	0.0616	-0.1693	0.3468	-0.5161	0.0194

PAGE 1 OF 3
SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACP RTIO-6			PHI	CCNF	L	DELL	DEEL2	DEEL3	DEEL4	TRANSITION	
7 132 1.00 1.7			J.O. 810P11	G.C	U	-30	0	-30	UNKNOWN		
FCINT	ALPHA	BETA	CA	CLM	CY	CLN	CLL	CA	CLB	CAF	XCP
139	52.16	-0.02	12.5901	0.2517	0.2011	0.3776	0.0622	-0.1489	0.3430	-0.4969	0.0200
140	52.25	-0.01	12.3054	0.4206	0.2164	0.7365	0.0502	-0.1823	0.3382	-0.5205	0.0342
141	52.48	-0.01	12.5355	0.2700	0.2700	0.7525	0.0507	-0.1673	0.3556	-0.5205	0.0220
142	52.64	-0.02	12.6056	0.2115	0.1531	0.7193	0.0513	-0.1528	0.3617	-0.5145	0.0168
143	52.80	-0.02	12.5427	0.3577	0.1605	0.6025	0.0509	-0.1475	0.3549	-0.5028	0.0286
144	52.98	-0.02	12.6606	0.2018	0.1137	0.8478	0.0513	-0.1503	0.3694	-0.5147	0.0223
145	53.14	-0.02	12.3612	0.5254	0.1655	0.7326	0.0567	-0.1502	0.3719	-0.5221	0.0428
146	53.34	-0.03	12.6306	0.3375	0.0715	0.7519	0.0516	-0.1300	0.3632	-0.4992	0.0268
147	53.47	-0.02	12.5015	0.5827	0.1416	0.6857	0.0509	-0.1741	0.3577	-0.5118	0.0474
148	53.67	-0.03	12.7011	0.1567	0.1054	0.6749	0.0463	-0.1558	0.3516	-0.5074	0.0123
149	53.84	-0.02	12.7628	0.1487	0.1663	0.6651	0.0523	-0.1466	0.3708	-0.5174	0.0117
150	53.99	-0.01	12.6651	0.0137	0.2840	0.5547	0.0470	-0.1282	0.3606	-0.5088	0.0011
151	54.15	-0.03	12.6711	-0.0162	0.0555	0.6751	0.0469	-0.1670	0.3512	-0.5182	-0.0013
152	54.32	-0.02	12.5010	0.2685	0.1447	0.4771	0.0525	-0.1714	0.3610	-0.5324	0.0214
153	54.51	-0.03	12.8254	0.0035	0.1007	0.5616	0.0525	-0.1694	0.3562	-0.5256	0.0003
154	54.69	-0.02	12.1777	0.0273	0.1624	0.4647	0.0525	-0.1777	0.3795	-0.5576	0.0021
155	54.81	-0.02	12.6246	0.0555	0.1560	0.4763	0.0416	-0.1574	0.3598	-0.5272	0.0028
156	54.95	-0.03	12.1764	-0.0515	0.0681	0.4253	0.0417	-0.1663	0.3739	-0.5422	-0.0040
157	55.11	-0.02	13.0506	-0.3355	0.1552	0.5284	0.0477	-0.1560	0.3970	-0.5530	-0.0260
158	55.28	-0.04	13.0680	-0.3244	0.0672	0.3443	0.0432	-0.1455	0.3470	-0.5425	-0.0193
159	55.40	-0.02	12.7524	0.0507	0.1110	0.5024	0.0422	-0.1761	0.3786	-0.5549	0.0076
160	55.56	0.00	12.6406	-0.0661	0.3464	0.3112	0.0415	-0.1672	0.3607	-0.5475	-0.0067
161	55.72	0.00	12.6803	-0.0424	0.3850	0.5634	0.0406	-0.1814	0.3667	-0.5481	-0.0036
162	55.90	0.01	13.0117	-0.3024	0.4711	0.3191	0.0420	-0.1660	0.3880	-0.5540	-0.0232
163	56.08	-0.03	13.0534	-0.2555	0.1713	0.2697	0.0431	-0.1536	0.4032	-0.5568	-0.0199
164	56.26	-0.02	13.2757	-0.3024	0.2417	0.1891	0.0436	-0.1707	0.4037	-0.5744	-0.0376
165	56.43	-0.09	13.3817	0.2417	-0.4554	0.1002	0.0451	-0.2761	0.3576	-0.6357	0.0181
166	56.57	-0.05	13.1874	0.0408	-0.0287	-0.0245	0.0535	-0.2119	0.3651	-0.5770	0.0031

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

 PAGE 2 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RAIC=6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
7 132 1.00 1.7 0.0 BLIND 0.0 0 -30 0 -30 UNKNOWN												
PCINT	ALPHA	BETA	CONF1	CH1	CD1	ALPF1	YCPF1	CONF2	CH2	CD2	ACPF2	YCPF2
1	-5.75	0.01	-0.0125	-0.0001	0.0051	0.0054	-0.2757	-0.9597	-0.0435	-0.5068	0.0453	0.5281
2	-5.75	-0.00	-0.0221	-0.0002	0.0041	0.0382	-0.1855	-0.9419	-0.0425	-0.4475	0.0451	0.5282
3	-5.75	0.01	-0.0160	0.0003	0.0054	-0.0167	-0.3575	-0.9625	-0.0433	-0.5075	0.0450	0.5273
4	-5.76	0.00	-0.0136	0.0010	0.0063	-0.0735	-0.4632	-0.9682	-0.0429	-0.5080	0.0443	0.5247
5	-5.68	0.01	-0.0136	0.0012	0.0063	-0.0862	-0.4632	-0.9638	-0.0445	-0.5083	0.0462	0.5274
6	-5.68	0.00	-0.0140	0.0016	0.0050	-0.1061	-0.5704	-0.9577	-0.0472	-0.5267	0.0473	0.5278
7	-2.08	0.00	-0.0118	0.0004	0.0045	-0.0376	-0.4537	-1.1680	-0.0576	-0.6073	0.0453	0.5155
8	-0.28	0.00	-0.0070	0.0004	0.0047	-0.0371	-0.6714	-1.1235	-0.0626	-0.6001	0.0735	0.5341
9	1.54	0.01	-0.0068	0.0001	0.0031	-0.0747	-0.4559	-1.0328	-0.0792	-0.5548	0.0767	0.5372
10	3.40	0.00	-0.0006	0.0008	0.0045	-1.3330	-0.1667	-0.0575	-0.0686	-0.4016	0.0575	0.5383
11	5.24	0.01	-0.0020	-0.0000	0.0051	0.0833	-0.4250	-0.7205	-0.0642	-0.4015	0.1188	0.5573
12	7.14	0.01	-0.0026	-0.0004	0.0044	0.1111	-0.7057	-0.6212	-0.0642	-0.3522	0.1355	0.5670
13	8.96	0.01	-0.0079	-0.0004	0.0011	0.0223	-0.6201	-0.5062	-0.0631	-0.3248	0.1467	0.5738
14	10.64	0.01	-0.0053	-0.0003	0.0006	0.0156	-0.7054	-0.4844	-0.0762	-0.2784	0.1573	0.5747
15	12.69	0.01	-0.00247	-0.00021	0.0042	0.0550	-0.1743	-0.6146	-0.0614	-0.2338	0.1481	0.5635
16	14.50	0.01	-0.00121	-0.00010	0.0020	0.0444	-0.1547	-0.5378	-0.0477	-0.1460	0.1412	0.5802
17	16.54	0.00	-0.00314	-0.00058	-0.0012	0.1847	0.0382	-0.2294	-0.0354	-0.1432	0.1539	0.6225
18	18.44	0.00	-0.00415	-0.0004	-0.0075	0.2004	0.1790	-0.1510	-0.0254	-0.0440	0.1682	0.6556
19	20.41	0.01	-0.00555	-0.0010	-0.0194	0.1848	0.3260	-0.0584	-0.0052	-0.0841	0.1575	1.0576
20	22.34	0.01	-0.00403	-0.00156	-0.0016	0.3412	0.0825	0.0034	0.0063	-0.0336	2.4405	-9.9412
21	24.31	0.00	-0.00425	-0.00168	-0.0056	0.1508	0.6457	0.0416	0.0272	-0.0143	0.6537	-0.3438
22	26.29	0.00	0.00205	0.00274	0.1205	0.1044	0.4590	0.1566	0.0416	0.0359	0.2656	0.2292
23	27.69	0.00	0.4843	0.0018	0.2243	0.1276	0.4631	0.2282	0.0484	0.0688	0.2033	0.3015
24	27.69	0.00	0.4452	0.0016	0.2096	0.1202	0.4671	0.2280	0.0474	0.0716	0.2078	0.3140
25	26.54	0.00	0.4587	0.0052	0.2153	0.1290	0.4694	0.2459	0.0488	0.0798	0.1984	0.3245
26	26.54	0.00	0.4719	0.0016	0.2208	0.1304	0.4679	0.2540	0.0498	0.0850	0.1960	0.3340
27	26.52	0.07	0.3321	0.00425	0.1501	0.1274	0.4520	0.2492	0.0552	0.0854	0.2214	0.3427
28	29.25	0.07	0.4383	0.0060	0.2050	0.1334	0.4708	0.2594	0.0550	0.0906	0.2116	0.3480
29	29.52	0.07	0.3828	0.00500	0.1782	0.1306	0.4503	0.2610	0.0578	0.0914	0.2214	0.3562
30	29.01	0.08	0.3635	0.00400	0.1836	0.1220	0.4772	0.2622	0.0595	0.0937	0.2264	0.3574
31	30.09	0.07	0.2937	0.00368	0.1387	0.1253	0.4722	0.2585	0.0637	0.0942	0.2460	0.3638
32	30.37	0.07	0.3535	0.00597	0.1800	0.123	0.4543	0.2713	0.0643	0.0991	0.2365	0.3653
33	30.64	0.10	0.3550	0.00607	0.2553	0.1066	0.4639	0.3015	0.0623	0.1126	0.2066	0.3735
34	30.92	0.09	0.4318	0.00415	0.2430	0.0961	0.4715	0.2983	0.0601	0.1125	0.2215	0.3771
35	31.20	0.06	0.3517	0.00368	0.1788	0.0939	0.4565	0.3160	0.0694	0.1202	0.2156	0.3804
36	31.47	0.11	0.3551	0.00577	0.2040	0.1034	0.4770	0.3199	0.0669	0.1219	0.2091	0.3611
37	31.73	0.09	0.4251	0.00421	0.1589	0.0961	0.4835	0.3152	0.0713	0.1223	0.2261	0.3880
38	32.01	0.07	0.2718	0.00255	0.1167	0.0938	0.4367	0.3097	0.0716	0.1185	0.2311	0.3824
39	32.27	0.05	0.1237	0.00065	0.0268	0.0358	0.2167	0.3051	0.0757	0.1172	0.2480	0.3841
40	32.53	0.06	0.0591	0.00016	0.0221	0.0102	0.2430	0.2924	0.0783	0.1112	0.2677	0.3803
41	32.80	0.04	-0.0317	-0.0112	-0.0365	0.3532	1.1514	0.2915	0.0823	0.1134	0.2823	0.3890
42	33.00	0.05	0.1225	0.00053	0.0346	0.0433	0.2624	0.3076	0.0821	0.1185	0.2867	0.3850
43	33.30	0.03	0.0163	-0.00047	-0.0126	0.2508	-0.6885	0.3051	0.0839	0.1148	0.2767	0.3788
44	33.57	0.04	0.0557	0.00003	0.0113	0.0054	0.2025	0.3170	0.0824	0.1208	0.2599	0.3811
45	33.81	0.06	0.2280	0.00211	0.1045	0.0525	0.4583	0.3343	0.0838	0.1294	0.2506	0.3871
46	34.07	0.05	0.2442	0.00175	0.1160	0.0716	0.4750	0.3520	0.0810	0.1356	0.2301	0.3852

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	RX10=6	PMT	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	132	1.00	1.7	C.C. 51	C.F. 1	0.0	0	-30	0	-30	UNKNOWN	
PCINT	ALPHA	BETA	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	
47	34.35	0.07	0.2455	0.0147	0.1115	0.0598	0.4534	0.3418	0.0630	0.1303	0.2428	0.3812
48	34.38	0.05	0.2552	0.0163	0.1141	0.0634	0.4471	0.3577	0.0636	0.1361	0.2537	0.3861
49	34.82	0.09	0.3921	0.0317	0.1835	0.0808	0.4650	0.3781	0.0646	0.1464	0.2237	0.3872
50	35.07	0.09	0.4247	0.0355	0.2005	0.0844	0.4743	0.3945	0.0651	0.1538	0.2157	0.3894
51	35.32	0.07	0.3408	0.0241	0.1614	0.0708	0.4755	0.3883	0.0666	0.1505	0.2230	0.3876
52	35.35	0.08	0.3562	0.0256	0.1670	0.0714	0.4808	0.3888	0.0688	0.1488	0.2245	0.3847
53	35.79	0.05	0.2762	0.0177	0.2312	0.0636	0.4716	0.3884	0.0702	0.1457	0.2322	0.3854
54	36.03	0.06	0.3052	0.0258	0.1936	0.0764	0.4578	0.4114	0.0841	0.1592	0.2163	0.3865
55	36.26	0.07	0.3407	0.0254	0.1622	0.0760	0.4778	0.4118	0.0936	0.1577	0.2200	0.3830
56	36.50	0.06	0.2956	0.0208	0.1366	0.0674	0.4566	0.4301	0.0921	0.1606	0.2141	0.3878
57	36.76	0.06	0.3878	0.0367	0.1761	0.0846	0.4541	0.4377	0.0924	0.1705	0.2110	0.3855
58	36.99	0.06	0.3420	0.0274	0.1644	0.0801	0.4622	0.4323	0.0921	0.1674	0.2130	0.3884
59	37.23	0.08	0.3028	0.0233	0.1452	0.0770	0.4758	0.4357	0.0936	0.1675	0.2148	0.3844
60	37.46	0.06	0.3712	0.0364	0.1436	0.0844	0.4677	0.4370	0.0940	0.1682	0.2150	0.3845
61	37.70	0.06	0.4563	0.0536	0.2186	0.1179	0.4751	0.4451	0.0952	0.1722	0.2138	0.3865
62	37.93	0.08	0.3313	0.0255	0.1601	0.0802	0.4629	0.4361	0.0943	0.1676	0.2231	0.3825
63	38.17	0.02	0.0926	0.0017	0.0121	0.0184	0.1307	0.4413	0.0949	0.1718	0.2241	0.3853
64	38.39	0.04	0.1576	0.0132	0.0173	0.0667	0.3908	0.4467	0.1003	0.1750	0.2235	0.3900
65	38.62	0.04	0.1912	0.0125	0.0171	0.0852	0.4024	0.4566	0.1018	0.1807	0.2224	0.3958
66	38.86	0.04	0.2113	0.0163	0.0453	0.0750	0.4136	0.4594	0.1018	0.1787	0.2215	0.3840
67	39.09	0.04	0.1452	0.0065	0.0475	0.0462	0.3164	0.4676	0.1022	0.1616	0.2165	0.3884
68	39.27	0.05	0.3180	0.0366	0.1454	0.1155	0.4579	0.4652	0.1030	0.1838	0.2214	0.3951
69	39.48	0.02	0.2116	0.0173	0.0277	0.0817	0.4145	0.4704	0.1047	0.1864	0.2225	0.3963
70	39.69	0.03	0.1884	0.0151	0.0761	0.0834	0.4044	0.4632	0.1054	0.1915	0.2181	0.3963
71	39.87	0.03	0.1745	0.0164	0.0645	0.0940	0.3696	0.4618	0.1055	0.1909	0.2189	0.3962
72	40.11	0.03	0.2520	0.0256	0.1143	0.1174	0.4536	0.4680	0.1043	0.1920	0.2137	0.3934
73	40.25	0.01	0.1803	0.0162	0.0566	0.1005	0.3150	0.4680	0.1052	0.1967	0.2112	0.3950
74	40.51	0.01	0.1858	0.0156	0.0706	0.1032	0.3130	0.4939	0.1053	0.1956	0.2131	0.3960
75	40.73	0.03	0.1564	0.0151	0.0341	0.0554	0.3420	0.5116	0.1052	0.2031	0.2056	0.3970
76	40.92	0.03	0.1806	0.0171	0.0632	0.0447	0.3010	0.5062	0.1050	0.2016	0.2074	0.3983
77	41.14	0.01	0.2018	0.0254	0.0226	0.1258	0.4103	0.4845	0.1044	0.1910	0.2154	0.3942
78	41.35	0.03	0.1213	0.0047	0.0344	0.0756	0.2081	0.5124	0.1065	0.2038	0.2076	0.3973
79	41.54	0.00	0.1533	0.0144	0.0428	0.0439	0.2792	0.5116	0.1061	0.2021	0.2073	0.3950
80	41.73	0.02	0.1856	0.0210	0.0726	0.1131	0.3912	0.4952	0.1054	0.1941	0.2128	0.3920
81	41.93	0.02	0.1872	0.0175	0.0607	0.1046	0.3630	0.5101	0.1062	0.1947	0.2081	0.3915
82	42.13	0.03	0.2004	0.0242	0.0682	0.1344	0.4350	0.4843	0.1055	0.1888	0.2178	0.3898
83	42.30	0.02	0.1807	0.0164	0.0520	0.1145	0.3236	0.5037	0.1062	0.2002	0.2087	0.3938
84	42.44	0.02	0.1815	0.0153	0.0635	0.1168	0.3805	0.4835	0.1060	0.1884	0.2192	0.3857
85	42.68	0.01	0.1552	0.0152	0.0634	0.1206	0.4106	0.4808	0.1060	0.1860	0.2204	0.3865
86	42.86	0.02	0.1451	0.0135	0.0455	0.0930	0.3439	0.5025	0.1069	0.1966	0.2127	0.3912
87	43.04	-0.00	0.1420	0.0166	0.0531	0.1185	0.3739	0.4766	0.1064	0.1851	0.2232	0.3884
88	43.22	-0.00	0.1363	0.0111	0.0352	0.0880	0.2876	0.5117	0.1074	0.2027	0.2094	0.3954
89	43.41	-0.01	0.1213	0.0096	0.0262	0.0791	0.2325	0.5159	0.1079	0.2044	0.2091	0.3962
90	43.60	-0.00	0.1442	0.0133	0.0435	0.0922	0.3044	0.5104	0.1089	0.2018	0.2133	0.3954
91	43.76	0.00	0.1202	0.0104	0.0336	0.0862	0.2786	0.5074	0.1080	0.2005	0.2126	0.3946
92	43.94	-0.00	0.1326	0.0136	0.0464	0.1025	0.3537	0.4997	0.1076	0.1965	0.2157	0.3932

PAGE 2 OF 3
 SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6												
/ 132 1.00 1.7												
PHI CCFP L DEL1 DEL2 DEL3 DEL4 TRANSITION												
0.0 0.00F11 C.C 0 -30 0 -30 0 -30 UNKNOWN												
PCINT	ALPHA	BETA	CNF1	CHI	COL	XCFF1	YCPF1	CNF2	CHI2	CB2	ACPF2	YCPF2
93	44.12	-0.00	0.1415	0.0140	0.0452	0.0989	0.3194	0.4983	0.1080	0.1959	0.2167	0.3931
94	44.32	-0.00	0.1322	0.0120	0.0358	0.0953	0.3311	0.5146	0.1083	0.2027	0.2104	0.3939
95	44.50	0.00	0.1111	0.0135	0.0383	0.1251	0.3447	0.4648	0.1090	0.1796	0.2344	0.3864
96	44.69	-0.00	0.1374	0.0124	0.0464	0.0902	0.2940	0.5164	0.1090	0.2047	0.2110	0.3964
97	44.88	0.00	0.1217	0.0085	0.0260	0.0731	0.2186	0.5381	0.1105	0.2136	0.2053	0.3970
98	45.03	0.01	0.1128	0.0130	0.0352	0.1152	0.3121	0.5056	0.1091	0.1902	0.2104	0.3881
99	45.23	0.00	0.1114	0.0055	0.0294	0.0880	0.2639	0.5306	0.1103	0.2083	0.2078	0.3926
100	45.35	0.00	0.0658	0.0055	0.0224	0.1107	0.2069	0.4042	0.1103	0.1902	0.2277	0.3928
101	45.55	0.01	0.1203	0.0124	0.0375	0.1030	0.3117	0.5034	0.1097	0.1972	0.2179	0.3917
102	45.75	0.00	0.1271	0.0119	0.0324	0.0936	0.2589	0.5374	0.1106	0.2105	0.2061	0.3917
103	45.91	0.00	0.1133	0.0115	0.0341	0.1015	0.3010	0.5025	0.1096	0.2001	0.2181	0.3982
104	46.09	0.00	0.0570	0.0103	0.0253	0.1002	0.2608	0.5056	0.1114	0.2006	0.2203	0.3968
105	46.27	0.01	0.0950	0.0085	0.0223	0.0957	0.2347	0.5129	0.1120	0.2052	0.2183	0.4001
106	46.43	-0.04	0.1040	0.0110	0.0257	0.1120	0.2457	0.5256	0.1130	0.2115	0.2165	0.4024
107	46.63	-0.00	0.0977	0.0084	0.0220	0.0860	0.2252	0.5174	0.1131	0.2066	0.2185	0.4032
108	46.83	0.00	0.0906	0.0110	0.0162	0.1200	0.1788	0.5057	0.1157	0.2311	0.2045	0.4085
109	46.97	0.02	0.0784	0.0151	0.0305	0.2436	0.0825	0.5502	0.1156	0.2420	0.1958	0.4100
110	47.15	0.01	0.0565	0.0170	0.0023	0.3127	-0.0404	0.6201	0.1148	0.2581	0.1851	0.4162
111	47.31	0.00	0.0750	0.0154	0.0104	0.2455	0.1318	0.6105	0.1144	0.2516	0.1873	0.4118
112	47.50	0.02	-0.0555	-0.0045	-0.0707	0.4442	0.7109	0.5782	0.1106	0.2382	0.1516	0.4120
113	47.69	0.03	-0.0602	-0.0062	-0.0655	0.0773	0.8666	0.5622	0.1111	0.2418	0.1508	0.4153
114	47.86	0.02	-0.0273	-0.0083	-0.0490	0.3039	1.7949	0.5904	0.1104	0.2447	0.1844	0.4173
115	48.03	0.03	-0.0151	-0.0087	-0.0475	0.4436	3.1457	0.5944	0.1101	0.2461	0.1852	0.4140
116	48.23	0.04	0.0245	-0.0085	-0.0253	-0.3413	-1.0161	0.6041	0.1072	0.2405	0.1774	0.4114
117	48.37	0.03	0.0118	-0.0023	-0.0288	-1.0845	-2.4407	0.6021	0.1131	0.2474	0.1878	0.4109
118	48.50	0.03	0.0129	-0.0113	-0.0275	-0.9222	-2.1316	0.6186	0.1114	0.2536	0.1800	0.4100
119	48.73	0.04	0.0126	-0.0120	-0.0250	-1.0156	-1.9841	0.6140	0.1104	0.2518	0.1798	0.4101
120	48.92	0.03	0.0103	-0.0137	-0.0230	-0.8403	-1.4478	0.6400	0.1110	0.2610	0.1745	0.4104
121	49.07	0.03	0.0086	-0.0141	-0.0230	-2.1358	-3.9397	0.6210	0.1068	0.2523	0.1715	0.4063
122	49.26	0.03	0.0102	-0.0110	-0.0200	-0.6372	-1.0059	0.6243	0.1024	0.2508	0.1640	0.4017
123	49.43	0.03	0.0253	-0.0143	-0.0158	-0.5051	-0.6245	0.6277	0.1118	0.2555	0.1781	0.4070
124	49.63	0.03	0.0253	-0.0120	-0.0167	-0.5030	-0.6001	0.6130	0.0957	0.2448	0.1615	0.3977
125	49.80	0.03	0.0415	-0.0112	-0.0075	-0.2658	-0.1904	0.6329	0.1053	0.2559	0.1663	0.4043
126	49.98	0.03	0.0447	-0.0078	0.0034	-0.1205	0.0026	0.6488	0.1083	0.2600	0.1665	0.4101
127	50.13	0.02	0.0656	-0.0050	0.0053	-0.1375	0.0701	0.6683	0.1135	0.2754	0.1698	0.4121
128	50.33	0.02	0.0752	-0.0030	0.0075	-0.0744	0.1051	0.6200	0.1018	0.2511	0.1621	0.3998
129	50.48	-0.00	0.0658	-0.0050	0.0122	-0.0893	0.1422	0.6329	0.0972	0.2542	0.1535	0.4018
130	50.64	-0.01	0.0715	-0.0064	0.0057	-0.1108	0.0793	0.6063	0.0880	0.2395	0.1464	0.3950
131	50.83	-0.02	0.0939	-0.0005	0.0162	-0.0096	0.1725	0.6110	0.0834	0.2438	0.1446	0.3990
132	50.90	-0.01	0.0714	-0.0001	0.0065	-0.0014	0.0910	0.5895	0.0878	0.2326	0.1485	0.3949
133	51.13	-0.00	0.0573	-0.0006	-0.0000	0.0105	-0.0140	0.5658	0.0816	0.2241	0.1442	0.3961
134	51.32	-0.01	0.0405	-0.0008	-0.0040	-0.0190	-0.2200	0.5305	0.0778	0.2123	0.1450	0.3957
135	51.47	0.00	0.0325	-0.0014	-0.0124	-0.0413	-0.3058	0.5177	0.0782	0.2053	0.1471	0.3968
136	51.60	0.00	0.0318	-0.0025	-0.0144	-0.0730	-0.4080	0.5143	0.0762	0.2040	0.1481	0.3982
137	51.79	-0.01	0.0444	-0.0005	-0.0070	-0.0113	-0.1577	0.5248	0.0767	0.2127	0.1481	0.4053
138	51.90	-0.01	0.0355	-0.0018	-0.0100	-0.0451	-0.2707	0.5141	0.0762	0.2051	0.1462	0.4067

PALE 2 OF 3
 SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		PATCH		RTIC-6		PHI	CNPF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		132		1.00		1.1	0.0	0.0001	0.0	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CNFI	CHI	COI	XCPFI	YCPFI	CNF2	Ch2	Co2	XCPF2	YCPF2		
139	52.16	-0.02	0.0272	-0.0041	-0.0171	-0.1507	-0.6287	0.4818	0.0742	0.1976	0.1540	0.4161		
140	52.25	-0.01	0.0355	-0.0018	-0.0108	-0.0451	-0.2707	0.5112	0.0766	0.2121	0.1498	0.4145		
141	52.48	-0.01	0.0325	-0.0023	-0.0137	-0.0895	-0.4164	0.4516	0.0752	0.2041	0.1525	0.4152		
142	52.84	-0.02	0.0305	-0.0031	-0.0145	-0.1016	-0.4754	0.4463	0.0749	0.2085	0.1509	0.4261		
143	52.86	-0.02	0.0330	-0.0036	-0.0136	-0.1091	-0.4182	0.4794	0.0744	0.1957	0.1552	0.4166		
144	52.98	-0.02	0.0307	-0.0020	-0.0135	-0.0708	-0.3707	0.4449	0.0755	0.2119	0.1510	0.4235		
145	53.14	-0.02	0.0325	-0.0036	-0.0115	-0.0586	-0.3260	0.4865	0.0746	0.2059	0.1537	0.4232		
146	53.34	-0.02	0.0273	-0.0038	-0.0170	-0.1392	-0.6447	0.4796	0.0754	0.2043	0.1572	0.4260		
147	53.47	-0.02	0.0341	-0.0022	-0.0126	-0.0821	-0.3695	0.4985	0.0756	0.2124	0.1518	0.4261		
148	53.67	-0.03	0.0364	-0.0018	-0.0117	-0.0494	-0.3214	0.5124	0.0767	0.2192	0.1496	0.4278		
149	53.84	-0.02	0.0255	-0.0027	-0.0152	-0.0915	-0.5153	0.5021	0.0765	0.2163	0.1523	0.4308		
150	53.99	-0.01	0.0222	-0.0027	-0.0145	-0.1312	-0.5284	0.4454	0.0761	0.2136	0.1536	0.4312		
151	54.15	-0.03	0.0270	-0.0033	-0.0155	-0.1222	-0.5741	0.5102	0.0771	0.2197	0.1511	0.4306		
152	54.34	-0.02	0.0253	-0.0031	-0.0137	-0.1058	-0.4076	0.4967	0.0760	0.2148	0.1530	0.4325		
153	54.51	-0.03	0.0224	-0.0032	-0.0182	-0.1428	-0.8125	0.5053	0.0770	0.2184	0.1523	0.4322		
154	54.64	-0.02	0.0252	-0.0030	-0.0126	-0.1027	-0.4315	0.5032	0.0765	0.2173	0.1528	0.4318		
155	54.81	-0.02	0.0157	-0.0030	-0.0163	-0.1522	-0.8274	0.5073	0.0767	0.2198	0.1512	0.4333		
156	54.95	-0.03	0.0243	-0.0022	-0.0131	-0.1070	-0.5391	0.5059	0.0770	0.2192	0.1522	0.4333		
157	55.11	-0.02	0.0173	-0.0035	-0.0160	-0.2023	-0.9595	0.5038	0.0764	0.2161	0.1516	0.4325		
158	55.28	-0.04	0.0155	-0.0027	-0.0147	-0.1304	-0.7536	0.5280	0.0782	0.2311	0.1481	0.4377		
159	55.40	-0.02	0.0228	-0.0021	-0.0094	-0.0729	-0.3264	0.5105	0.0770	0.2225	0.1508	0.4358		
160	55.56	0.00	0.0123	-0.0028	-0.0154	-0.1530	-0.8415	0.5170	0.0784	0.2291	0.1516	0.4431		
161	55.72	0.00	0.0154	-0.0022	-0.0142	-0.1340	-0.7320	0.5252	0.0782	0.2314	0.1485	0.4406		
162	55.90	0.01	0.0263	-0.0015	-0.0097	-0.0722	-0.3008	0.5319	0.0782	0.2347	0.1470	0.4412		
163	56.08	-0.03	0.0216	-0.0022	-0.0113	-0.1296	-0.9231	0.5163	0.0784	0.2266	0.1518	0.4385		
164	56.26	-0.02	0.0152	-0.0024	-0.0126	-0.1458	-0.8563	0.5379	0.0791	0.2360	0.1470	0.4387		
165	56.43	-0.05	0.0020	-0.0026	-0.0218	-0.5283	-7.7857	0.5462	0.0783	0.2389	0.1433	0.4374		
166	56.57	-0.05	0.0026	-0.0026	-0.0213	-0.4997	-7.6071	0.5461	0.0791	0.2389	0.1448	0.4375		

PAGE 3 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME		PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
1 152 1.00 1.7		0.0	0.00011	0.0	0	-30	0	-30	UNKNOWN
PLINT	ALPHA	DEL1	CONF2	CONF3	CONF4	YCONF3	CONF4	CONF4	YCONF4
1	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
2	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
3	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
4	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
5	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
6	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
7	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
8	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
9	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
10	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
11	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
12	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
13	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
14	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
15	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
16	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
17	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
18	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
19	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
20	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
21	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
22	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
23	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
24	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
25	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
26	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
27	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
28	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
29	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
30	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
31	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
32	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
33	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
34	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
35	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
36	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
37	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
38	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
39	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
40	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
41	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
42	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
43	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
44	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
45	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000
46	-5.75	0.01	0.0328	0.0000	0.0000	0.0000	-1.0000	-0.0000	0.0000

PAGE 3 OF 3
SHEET 2 OF 4

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART	PACH	AXIC-2	Pm	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	132	1.00	1.7	C.C	BlcP11	C.C	U	-30	0	-30	UNKNOWN	
PLIAT	ALPHA	BETA	CNF3	CH3	Co3	ALPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
47	34.34	0.07	C.C514	9.9999	0.0202	9.9999	0.2210	0.2404	0.0834	0.1231	0.3468	0.5121
48	34.58	0.03	C.C512	9.9999	0.0154	9.9999	0.1857	0.2453	0.0847	0.1207	0.3452	0.5165
49	34.82	0.05	0.0587	9.9999	0.0243	9.9999	0.2462	0.2413	0.0877	0.1257	0.3634	0.5205
50	35.07	0.04	0.0512	9.9999	0.0202	9.9999	0.2215	0.2401	0.0873	0.1250	0.3635	0.5206
51	35.32	0.07	C.C598	9.9999	0.0200	9.9999	0.2227	0.2521	0.0683	0.1312	0.3502	0.5204
52	35.55	0.08	C.C535	9.9999	0.0228	9.9999	0.2236	0.2516	0.0696	0.1297	0.3568	0.5155
53	35.79	0.05	C.C545	9.9999	0.0177	9.9999	0.2205	0.2658	0.0500	0.1379	0.3415	0.5188
54	36.03	0.06	0.0655	9.9999	0.0211	9.9999	0.2347	0.2714	0.0910	0.1393	0.3352	0.5133
55	36.26	0.07	C.C586	9.9999	0.0252	9.9999	0.2556	0.2754	0.0917	0.1416	0.3325	0.5145
56	36.50	0.06	0.0685	9.9999	0.0264	9.9999	0.2305	0.2678	0.0954	0.1472	0.3314	0.5115
57	36.76	0.06	0.1033	9.9999	0.0285	9.9999	0.2759	0.2658	0.0560	0.1470	0.3358	0.5143
58	36.99	0.00	0.0523	9.9999	0.0236	9.9999	0.2551	0.2660	0.0955	0.1465	0.3338	0.5122
59	37.23	0.00	0.0257	9.9999	0.0212	9.9999	0.2474	0.2921	0.0572	0.1506	0.3327	0.5156
60	37.46	0.00	0.0532	9.9999	0.0236	9.9999	0.2554	0.2905	0.0968	0.1525	0.3264	0.5143
61	37.70	0.00	C.C534	9.9999	0.0230	9.9999	0.2573	0.2958	0.0567	0.1526	0.3336	0.5155
62	37.93	0.00	0.0693	9.9999	0.0225	9.9999	0.2504	0.2919	0.1001	0.1506	0.3428	0.5166
63	38.17	0.02	0.0642	9.9999	0.0225	9.9999	0.2672	0.3030	0.1010	0.1564	0.3332	0.5162
64	38.39	0.04	C.C565	9.9999	0.0187	9.9999	0.2323	0.3000	0.1016	0.1604	0.3258	0.5208
65	38.62	0.04	C.C584	9.9999	0.0157	9.9999	0.2450	0.3155	0.1040	0.1633	0.3245	0.5176
66	38.84	0.04	C.C517	9.9999	0.0158	9.9999	0.2423	0.3014	0.1038	0.1575	0.3443	0.5226
67	39.06	0.04	C.C525	9.9999	0.0205	9.9999	0.2521	0.3069	0.1044	0.1611	0.3401	0.5245
68	39.27	0.05	C.C535	9.9999	0.0221	9.9999	0.2585	0.3213	0.1050	0.1600	0.3267	0.5185
69	39.48	0.02	C.C505	9.9999	0.0207	9.9999	0.2571	0.3175	0.1066	0.1665	0.3352	0.5237
70	39.69	0.03	C.C505	9.9999	0.0212	9.9999	0.2634	0.3305	0.1065	0.1735	0.3230	0.5243
71	39.89	0.03	C.C505	9.9999	0.0224	9.9999	0.2699	0.3294	0.1073	0.1729	0.3257	0.5249
72	40.11	0.03	C.C507	9.9999	0.0203	9.9999	0.2515	0.3490	0.1052	0.1820	0.3128	0.5215
73	40.29	0.01	0.0805	9.9999	0.0207	9.9999	0.2571	0.3395	0.1093	0.1780	0.3215	0.5237
74	40.51	0.01	0.0830	9.9999	0.0215	9.9999	0.2639	0.3534	0.1110	0.1845	0.3140	0.5221
75	40.73	0.03	0.0805	9.9999	0.0207	9.9999	0.2571	0.3603	0.1115	0.1882	0.3094	0.5223
76	40.92	0.03	0.0730	9.9999	0.0182	9.9999	0.2493	0.3561	0.1113	0.1842	0.3125	0.5173
77	41.14	0.01	0.0752	9.9999	0.0211	9.9999	0.2790	0.3774	0.1115	0.1963	0.2954	0.5201
78	41.35	0.03	C.C752	9.9999	0.0211	9.9999	0.2664	0.3647	0.1113	0.1901	0.3051	0.5212
79	41.56	0.00	0.0830	9.9999	0.0224	9.9999	0.2699	0.3801	0.1119	0.1976	0.2943	0.5199
80	41.73	0.02	0.0805	9.9999	0.0212	9.9999	0.2634	0.3937	0.1132	0.2034	0.2875	0.5175
81	41.93	0.02	0.0825	9.9999	0.0235	9.9999	0.2883	0.3854	0.1126	0.2011	0.2921	0.5218
82	42.13	0.03	0.0775	9.9999	0.0220	9.9999	0.2624	0.4076	0.1137	0.2103	0.2789	0.5159
83	42.30	0.02	C.C505	9.9999	0.0217	9.9999	0.2696	0.3909	0.1130	0.2032	0.2850	0.5198
84	42.49	0.02	0.0830	9.9999	0.0235	9.9999	0.2680	0.4024	0.1140	0.2090	0.2832	0.5194
85	42.68	0.01	0.0810	9.9999	0.0233	9.9999	0.2848	0.4148	0.1151	0.2143	0.2774	0.5166
86	42.86	0.02	0.0753	9.9999	0.0217	9.9999	0.2736	0.3980	0.1144	0.2067	0.2874	0.5163
87	43.04	-0.00	0.0753	9.9999	0.0212	9.9999	0.2673	0.4272	0.1162	0.2227	0.2719	0.5213
88	43.22	-0.00	0.0717	9.9999	0.0186	9.9999	0.2594	0.3966	0.1146	0.2078	0.2903	0.5266
89	43.41	-0.01	0.0704	9.9999	0.0170	9.9999	0.2415	0.4081	0.1151	0.2160	0.2820	0.5293
90	43.60	-0.00	0.0603	9.9999	0.0227	9.9999	0.2627	0.4034	0.1161	0.2152	0.2877	0.5335
91	43.76	-0.00	0.0710	9.9999	0.0175	9.9999	0.2444	0.4147	0.1164	0.2203	0.2806	0.5312
92	43.94	-0.00	0.0770	9.9999	0.0210	9.9999	0.2699	0.4216	0.1168	0.2245	0.2770	0.5325

PAGE 3 OF 4
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		RATIO		PHI	CNPF	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		1.00		1.7		0.0	0.100	0.0	0.30	0.0	0.30	UNKNOWN
PCINT	ALPHA	BETA	CNF3	CNF4	CNF5	ALPF3	ALPF4	ALPF5	ALPF6	CNF6	CNF7	CNF8
93	44.12	-0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
94	44.32	-0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
95	44.50	0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
96	44.69	-0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
97	44.88	0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
98	45.03	0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
99	45.23	0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
100	45.35	0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
101	45.55	0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
102	45.75	0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
103	45.91	0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
104	46.05	0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
105	46.27	0.01	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707	0.0707
106	46.43	-0.04	0.0720	0.0720	0.0720	0.0720	0.0720	0.0720	0.0720	0.0720	0.0720	0.0720
107	46.50	-0.00	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716	0.0716
108	46.80	0.00	0.0632	0.0632	0.0632	0.0632	0.0632	0.0632	0.0632	0.0632	0.0632	0.0632
109	46.97	0.02	0.0715	0.0715	0.0715	0.0715	0.0715	0.0715	0.0715	0.0715	0.0715	0.0715
110	47.15	0.01	0.0630	0.0630	0.0630	0.0630	0.0630	0.0630	0.0630	0.0630	0.0630	0.0630
111	47.31	0.00	0.0653	0.0653	0.0653	0.0653	0.0653	0.0653	0.0653	0.0653	0.0653	0.0653
112	47.50	0.02	0.0617	0.0617	0.0617	0.0617	0.0617	0.0617	0.0617	0.0617	0.0617	0.0617
113	47.69	0.03	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605	0.0605
114	47.86	0.02	0.0725	0.0725	0.0725	0.0725	0.0725	0.0725	0.0725	0.0725	0.0725	0.0725
115	48.03	0.05	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677
116	48.23	0.04	0.0704	0.0704	0.0704	0.0704	0.0704	0.0704	0.0704	0.0704	0.0704	0.0704
117	48.37	0.03	0.0634	0.0634	0.0634	0.0634	0.0634	0.0634	0.0634	0.0634	0.0634	0.0634
118	48.50	0.03	0.0717	0.0717	0.0717	0.0717	0.0717	0.0717	0.0717	0.0717	0.0717	0.0717
119	48.73	0.04	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650
120	48.92	0.03	0.0666	0.0666	0.0666	0.0666	0.0666	0.0666	0.0666	0.0666	0.0666	0.0666
121	49.07	0.03	0.0722	0.0722	0.0722	0.0722	0.0722	0.0722	0.0722	0.0722	0.0722	0.0722
122	49.26	0.03	0.0666	0.0666	0.0666	0.0666	0.0666	0.0666	0.0666	0.0666	0.0666	0.0666
123	49.43	0.03	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771	0.0771
124	49.63	0.03	0.0697	0.0697	0.0697	0.0697	0.0697	0.0697	0.0697	0.0697	0.0697	0.0697
125	49.80	0.03	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656	0.0656
126	49.90	0.03	0.0710	0.0710	0.0710	0.0710	0.0710	0.0710	0.0710	0.0710	0.0710	0.0710
127	50.13	0.02	0.0697	0.0697	0.0697	0.0697	0.0697	0.0697	0.0697	0.0697	0.0697	0.0697
128	50.33	0.03	0.0633	0.0633	0.0633	0.0633	0.0633	0.0633	0.0633	0.0633	0.0633	0.0633
129	50.48	-0.00	0.0556	0.0556	0.0556	0.0556	0.0556	0.0556	0.0556	0.0556	0.0556	0.0556
130	50.64	-0.01	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621
131	50.80	-0.02	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557
132	50.96	-0.01	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557
133	51.13	-0.00	0.0622	0.0622	0.0622	0.0622	0.0622	0.0622	0.0622	0.0622	0.0622	0.0622
134	51.32	-0.01	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523
135	51.47	0.00	0.0536	0.0536	0.0536	0.0536	0.0536	0.0536	0.0536	0.0536	0.0536	0.0536
136	51.66	0.00	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621
137	51.79	-0.01	0.0572	0.0572	0.0572	0.0572	0.0572	0.0572	0.0572	0.0572	0.0572	0.0572
138	51.98	-0.01	0.0423	0.0423	0.0423	0.0423	0.0423	0.0423	0.0423	0.0423	0.0423	0.0423

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN PASSAGE TAILS EFFECTS DATA

TEST PART MACH XXIC-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 132 1.00 1.7				0.0	0.100F11	0.0	0	-30	0	-30	UNKNOWN	
FCINT	ALPHA	BETA	CONF	LM3	CB3	ACPF3	YCPF3	LM4	CB4	ACPF4	YCPF4	
139	52.16	-0.02	0.0572	0.9999	0.0156	0.9999	0.2762	0.4660	0.0846	0.2488	0.1815	0.5339
140	52.25	-0.04	0.0555	0.9999	0.0172	0.9999	0.3077	0.4577	0.0844	0.2477	0.1844	0.5412
141	52.48	-0.01	0.0547	0.9999	0.0106	0.9999	0.3035	0.4440	0.0634	0.2606	0.1675	0.5412
142	52.64	-0.04	0.0546	0.9999	0.0101	0.9999	0.2949	0.4470	0.0627	0.2419	0.1850	0.5412
143	52.80	-0.02	0.0572	0.9999	0.0175	0.9999	0.3024	0.4418	0.0828	0.2392	0.1874	0.5414
144	52.98	-0.02	0.0534	0.9999	0.0146	0.9999	0.2724	0.4307	0.0832	0.2443	0.1846	0.5426
145	53.14	-0.02	0.0537	0.9999	0.0131	0.9999	0.2439	0.4478	0.0834	0.2446	0.1862	0.5462
146	53.34	-0.02	0.0495	0.9999	0.0123	0.9999	0.2465	0.4453	0.0826	0.2417	0.1854	0.5428
147	53.47	-0.02	0.0536	0.9999	0.0142	0.9999	0.2724	0.4535	0.0821	0.2445	0.1808	0.5355
148	53.67	-0.03	0.0536	0.9999	0.0151	0.9999	0.2617	0.4514	0.0826	0.2424	0.1825	0.5376
149	53.84	-0.02	0.0575	0.9999	0.0145	0.9999	0.2551	0.4506	0.0836	0.2469	0.1822	0.5384
150	53.94	-0.01	0.0555	0.9999	0.0160	0.9999	0.2771	0.4518	0.0831	0.2432	0.1835	0.5383
151	54.15	-0.02	0.0476	0.9999	0.0107	0.9999	0.2246	0.4644	0.0832	0.2494	0.1751	0.5376
152	54.32	-0.02	0.0558	0.9999	0.0185	0.9999	0.3054	0.4634	0.0820	0.2476	0.1765	0.5343
153	54.51	-0.02	0.0476	0.9999	0.0112	0.9999	0.2353	0.4693	0.0828	0.2494	0.1764	0.5314
154	54.64	-0.02	0.0513	0.9999	0.0135	0.9999	0.2710	0.4644	0.0822	0.2481	0.1770	0.5342
155	54.81	-0.02	0.0445	0.9999	0.0214	0.9999	0.3297	0.4702	0.0815	0.2496	0.1741	0.5308
156	54.95	-0.02	0.0523	0.9999	0.0103	0.9999	0.2395	0.4718	0.0814	0.2512	0.1725	0.5324
157	55.11	-0.02	0.0512	0.9999	0.0125	0.9999	0.2570	0.4694	0.0818	0.2452	0.1742	0.5306
158	55.26	-0.04	0.0551	0.9999	0.0162	0.9999	0.2940	0.4701	0.0820	0.2524	0.1735	0.5301
159	55.40	-0.02	0.0538	0.9999	0.0161	0.9999	0.2993	0.4660	0.0796	0.2467	0.1768	0.5337
160	55.56	0.00	0.0575	0.9999	0.0175	0.9999	0.3113	0.4794	0.0815	0.2551	0.1706	0.5321
161	55.72	0.00	0.0550	0.9999	0.0167	0.9999	0.3036	0.4751	0.0817	0.2528	0.1719	0.5321
162	55.90	0.01	0.0575	0.9999	0.0164	0.9999	0.3287	0.4814	0.0824	0.2554	0.1765	0.5366
163	56.08	-0.02	0.0582	0.9999	0.0183	0.9999	0.3256	0.4705	0.0806	0.2499	0.1713	0.5311
164	56.26	-0.02	0.0586	0.9999	0.0154	0.9999	0.3311	0.5006	0.0827	0.2623	0.1651	0.5238
165	56.43	-0.06	0.0450	0.9999	0.0125	0.9999	0.2807	0.5236	0.0823	0.2744	0.1571	0.5241
166	56.57	-0.05	0.0598	0.9999	0.0210	0.9999	0.3512	0.5221	0.0823	0.2722	0.1576	0.5214

PAGE 1 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAIL EFFECTS DATA

TEST PART HACH AXIS-E			PHI	CONF	U	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 153 1.0 1.7			U.C. dinoF11	C.C	0	-30	0	-30	UNKNOWN		
PCINT	ALPHA	BETA	CH	CLP	CLY	CLR	CLL	CA	CAB	CAF	XCP
1	-5.85	0.02	-2.4608	5.4076	-0.0176	0.0092	-0.0065	1.5234	0.3500	1.1734	-3.8230
2	-5.86	0.00	-2.4515	5.4250	-0.0311	-0.0280	-0.0065	1.5210	0.3491	1.1719	-3.7834
3	-5.86	0.00	-2.4723	5.3805	-0.0270	0.0324	-0.0066	1.5183	0.3495	1.1688	-3.7848
4	-5.68	0.00	-2.4577	5.4119	-0.0206	-0.0370	-0.0064	1.5250	0.3483	1.1767	-3.8296
5	-5.19	0.01	-2.3206	5.2148	0.0437	-0.0798	-0.0055	1.5085	0.3382	1.1683	-3.5709
6	-3.34	0.00	-2.2106	5.1356	-0.0165	-0.0118	-0.0057	1.4753	0.3194	1.1554	-4.1522
7	-1.62	0.01	-1.5536	6.7478	0.0351	-0.1492	-0.0051	1.4229	0.3111	1.1119	-4.3879
8	0.24	-0.00	-1.7220	6.1663	-0.0833	0.0247	-0.0049	1.3720	0.3304	1.0416	-4.7407
9	2.07	0.01	-1.4835	7.6483	0.0337	-0.0619	-0.0043	1.3293	0.3461	0.9832	-5.1556
10	3.88	0.01	-1.2182	7.0214	0.0605	-0.0751	-0.0035	1.2018	0.3573	0.9245	-5.7636
11	5.74	0.00	-0.9225	6.3550	-0.0257	0.0676	-0.0037	1.2278	0.3644	0.8634	-6.5324
12	7.64	0.01	-0.6051	5.7521	-0.0052	0.0242	-0.0030	1.1517	0.3688	0.7829	-9.5374
13	9.44	0.00	-0.3512	5.1458	-0.0588	0.0604	-0.0027	1.0875	0.3722	0.7153	-14.6641
14	11.35	0.00	0.0081	4.3483	-0.0457	0.1041	-0.0022	0.9980	0.3749	0.6237	-74.8031
15	13.27	-0.00	0.4267	3.6036	-0.1051	0.2533	0.0033	0.9207	0.3750	0.5457	-5.5454
16	15.23	0.01	0.8408	3.0357	-0.1285	0.2190	-0.0010	0.8511	0.3735	0.4578	3.5848
17	17.23	-0.00	1.2053	2.4750	-0.1410	0.183	-0.0007	0.7623	0.3751	0.3572	2.0466
18	19.17	-0.01	1.5878	2.1468	-0.1506	0.1710	-0.0003	0.6908	0.3774	0.3214	1.3519
19	21.16	-0.00	2.1255	1.9107	-0.1295	0.1088	-0.0021	0.6376	0.3730	0.2646	0.8973
20	23.20	-0.00	2.6063	1.6051	-0.1040	0.0927	-0.0005	0.5818	0.3717	0.2101	0.6532
21	25.17	-0.01	3.3855	1.7515	-0.2005	0.7401	-0.0567	0.5479	0.3782	0.1697	0.5164
22	27.24	0.04	4.1192	1.4006	0.4891	-1.2913	0.1020	0.5004	0.3803	0.1201	0.3546
23	28.36	0.19	4.4256	1.3515	0.3955	-0.8534	0.0981	0.4772	0.3800	0.0973	0.3503
24	28.22	0.04	4.3962	1.3472	0.4025	-1.0723	0.1005	0.4944	0.3831	0.1163	0.3065
25	28.60	0.04	4.5414	1.4370	0.3777	-0.7817	0.0730	0.4820	0.3801	0.1019	0.3184
26	28.93	0.03	4.7050	1.4143	0.2225	-0.2805	0.0503	0.4886	0.3797	0.0889	0.2984
27	29.21	0.01	4.8560	1.2577	0.1082	-0.3081	0.0775	0.4476	0.3841	0.0635	0.2872
28	29.52	0.05	4.6766	1.3542	0.4882	-0.8112	0.0838	0.4488	0.3801	0.0607	0.2777
29	29.61	0.03	5.0215	1.1525	0.2362	-0.4006	0.0783	0.4414	0.3828	0.0586	0.2378
30	30.10	0.00	5.1527	1.2120	0.5715	-0.7010	0.0647	0.4357	0.3882	0.0475	0.2351
31	30.38	0.01	5.2023	1.0672	-0.0300	0.3884	0.0718	0.4371	0.3957	0.0414	0.2020
32	30.65	0.04	5.4068	1.5805	0.3541	-0.3465	0.0648	0.4280	0.4017	0.0243	0.1813
33	30.94	0.04	5.5075	0.5137	0.2450	-0.0538	0.0529	0.4155	0.4049	0.0106	0.1659
34	31.19	0.06	5.5425	0.5231	0.4879	-0.0844	0.0403	0.4170	0.4073	0.0097	0.1666
35	31.45	0.07	5.7375	0.7565	0.0206	0.4709	0.0312	0.3951	0.4076	-0.0125	0.1322
36	31.77	0.01	5.8718	0.7557	-0.0050	0.5757	0.0311	0.3904	0.4040	-0.0136	0.1287
37	32.03	0.03	5.5273	0.5855	0.2022	0.1896	0.0637	0.3878	0.4090	-0.0212	0.0989
38	32.31	0.00	6.0764	0.5433	-0.0508	0.7321	0.0200	0.3800	0.4104	-0.0244	0.0576
39	32.58	0.01	6.2210	0.5461	-0.0362	0.7031	0.0318	0.3707	0.4080	-0.0373	0.0878
40	32.85	-0.01	6.3321	0.4440	-0.2226	0.9521	0.0388	0.3707	0.4081	-0.0314	0.0701
41	33.10	-0.01	6.5566	0.5037	-0.2065	1.0134	0.0366	0.3867	0.4071	-0.0404	0.0475
42	33.37	0.01	6.5067	0.2850	0.0770	0.9475	0.0150	0.3557	0.4091	-0.0554	0.0434
43	33.61	0.02	6.6157	0.1868	0.1455	0.3931	0.0810	0.3599	0.4074	-0.0475	0.0282
44	33.88	0.01	6.1557	0.0455	-0.0396	0.8454	0.0539	0.3386	0.4091	-0.0705	0.0146
45	34.13	0.01	6.6653	-0.0751	-0.0240	0.7181	0.0859	0.3251	0.4100	-0.0859	-0.0115
46	34.39	0.01	7.0665	-0.1625	0.0186	0.6884	0.0804	0.3235	0.4134	-0.0894	-0.0239

PAGE 1 OF 3
SHEET 2 OF 3

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART NAME R413-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 133 1.0 1.7				0.0	0.100	0.0	0	-30	0	-30	UNKNOWN
PCINT	ALPHA	BETA	CA	CLM	CY	CLL	CLL	CA	CAB	CAF	XCP
47	34.62	0.02	7.1622	-0.2532	0.1250	0.3932	0.1088	0.3231	0.4117	-0.0888	-0.0409
48	34.87	0.01	7.2017	-0.3215	0.1180	0.4722	0.0870	0.3145	0.4113	-0.0905	-0.0447
49	35.13	0.02	7.3055	-0.2625	0.1327	0.3085	0.1097	0.3137	0.4079	-0.0892	-0.0380
50	35.30	0.0	7.3038	-0.3304	-0.0192	0.5524	0.0800	0.3043	0.4106	-0.1004	-0.0484
51	35.60	0.02	7.5574	-0.3852	0.0773	0.5244	0.0592	0.2595	0.4120	-0.1232	-0.0776
52	35.80	0.03	7.7330	-0.7555	0.2612	0.1345	0.1530	0.2631	0.4210	-0.1379	-0.0983
53	36.05	0.02	7.7617	-0.7767	0.1674	0.2544	0.1213	0.2761	0.4157	-0.1416	-0.1003
54	36.31	0.00	7.8458	-0.8350	0.0131	0.5705	0.0894	0.2780	0.4180	-0.1394	-0.1064
55	36.57	-0.00	8.0062	-0.8324	0.0471	0.3688	0.1016	0.2673	0.4167	-0.1514	-0.1070
56	36.80	-0.00	7.9964	-0.8541	0.0361	0.3704	0.0801	0.2673	0.4157	-0.1484	-0.1069
57	37.03	-0.03	8.1760	-1.0010	-0.2041	0.6013	0.0807	0.2614	0.4185	-0.1551	-0.1224
58	37.29	0.00	8.3134	-1.1330	0.1000	0.3315	0.0809	0.2628	0.4167	-0.1539	-0.1364
59	37.51	-0.00	8.3240	-1.1420	0.1163	0.2660	0.0612	0.2540	0.4131	-0.1591	-0.1372
60	37.74	-0.02	8.4038	-1.2750	-0.0905	0.4893	0.0872	0.2234	0.4114	-0.1800	-0.1508
61	37.94	-0.02	8.5165	-1.4075	-0.0450	0.5105	0.1080	0.2340	0.4151	-0.1811	-0.1652
62	38.22	-0.01	8.6354	-1.5412	-0.0031	0.4822	0.0773	0.2134	0.4031	-0.1857	-0.1775
63	38.45	-0.01	8.7030	-1.5580	0.0302	0.6033	0.1035	0.2045	0.4017	-0.1974	-0.1752
64	38.69	-0.02	8.8458	-1.6760	0.0133	0.5003	0.1090	0.1859	0.4021	-0.2122	-0.1884
65	38.92	-0.00	8.9445	-1.7057	0.0030	0.1876	0.0890	0.1889	0.3939	-0.2050	-0.1911
66	39.12	-0.03	9.0105	-1.7045	-0.0105	0.5163	0.0941	0.1824	0.3889	-0.2205	-0.1851
67	39.38	-0.00	9.1533	-1.8085	0.0525	0.2435	0.0797	0.1580	0.3917	-0.2357	-0.1976
68	39.57	-0.02	9.2350	-1.8446	0.0604	0.3703	0.0950	0.1842	0.3876	-0.2434	-0.2084
69	39.76	-0.02	9.2565	-2.0778	0.0244	0.5678	0.1205	0.1506	0.3856	-0.2290	-0.2250
70	39.99	-0.02	9.4025	-2.0754	0.0160	0.6095	0.0999	0.1490	0.3840	-0.2350	-0.2207
71	40.21	-0.02	9.5635	-2.2403	0.1366	0.1472	0.0707	0.1371	0.3863	-0.2492	-0.2343
72	40.44	-0.02	9.6000	-2.2036	0.0150	0.1103	0.0659	0.1260	0.3820	-0.2500	-0.2356
73	40.62	-0.01	9.7764	-2.4354	-0.0032	0.4550	0.0756	0.1000	0.3803	-0.2723	-0.2451
74	40.82	-0.01	9.7261	-2.4035	0.1781	-0.1347	0.0512	0.0880	0.3728	-0.2841	-0.2471
75	41.05	-0.03	9.8331	-2.7703	-0.0006	0.7393	0.0602	0.1108	0.3690	-0.2722	-0.2783
76	41.25	-0.04	10.0205	-2.8047	-0.0142	0.2332	0.0511	0.0851	0.3728	-0.2876	-0.2659
77	41.47	-0.03	10.1703	-2.5343	0.0456	0.6222	0.0655	0.0710	0.3735	-0.3017	-0.2787
78	41.69	-0.01	10.1930	-2.7000	0.0200	0.6331	0.0606	0.0671	0.3764	-0.3093	-0.2734
79	41.87	-0.02	10.2267	-2.3510	-0.2001	1.0601	0.0594	0.0474	0.3735	-0.3261	-0.2810
80	42.09	-0.04	10.4334	-3.0013	-0.1832	0.6205	0.0510	0.0370	0.3759	-0.3381	-0.2877
81	42.28	-0.03	10.5570	-2.3122	-0.0493	0.4165	0.0517	0.0467	0.3694	-0.3167	-0.2711
82	42.45	-0.02	10.4427	-2.7275	-0.0007	0.7404	0.0503	0.0335	0.3503	-0.3148	-0.2804
83	42.65	-0.03	10.6044	-3.2370	-0.1835	1.0135	0.0385	0.0139	0.3708	-0.3569	-0.3030
84	42.83	-0.04	10.5727	-3.1220	-0.1007	0.5091	0.0390	0.0300	0.3712	-0.3532	-0.2953
85	43.02	-0.04	10.6018	-3.2617	-0.2035	1.1706	0.0345	-0.0058	0.3609	-0.3657	-0.3020
86	43.20	-0.03	10.6860	-3.2045	-0.0591	0.5300	0.0212	-0.0244	0.3542	-0.3766	-0.3017
87	43.38	-0.04	10.6349	-3.3473	-0.1004	0.4654	0.0246	-0.0144	0.3541	-0.3885	-0.3089
88	43.59	-0.03	11.0700	-3.7420	-0.1821	1.1105	0.0090	-0.0214	0.3477	-0.3851	-0.3200
89	43.70	-0.03	11.0388	-3.4654	-0.1613	1.0786	0.0091	-0.0166	0.3467	-0.3853	-0.3139
90	43.92	-0.04	11.1200	-3.5721	-0.1423	0.7788	0.0001	-0.0400	0.3334	-0.3820	-0.3033
91	44.11	-0.04	11.1541	-3.5124	-0.1420	0.7886	0.0	-0.0438	0.3351	-0.3789	-0.3149
92	44.30	-0.05	11.4922	-3.4751	-0.2009	1.1778	-0.0000	-0.0555	0.3290	-0.3845	-0.3082

PAGE 1 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-5											
7 133 1.10 1.1											
PHI CLNF L CEL1 DEL2 CEL3 CEL4 TRANSITION											
U.C. d100P11 U.0 U -30 U -30 UNKNOWN											
PLINT	ALPHA	BETA	CN	CLM	CL	CLN	CLL	CA	CAB	CAF	XCP
93	44.48	-0.04	11.2901	-3.5779	-0.2418	1.2509	-0.0117	-0.0481	0.3296	-0.3777	-0.3169
94	44.68	-0.04	11.4206	-3.4031	-0.0702	0.0903	0.0245	-0.0703	0.3206	-0.4047	-0.2980
95	44.85	-0.03	11.4244	-3.3164	-0.0034	0.3615	0.0130	-0.0838	0.3206	-0.4044	-0.2903
96	45.03	-0.03	11.4748	-3.2452	-0.0421	0.3284	0.0293	-0.0878	0.3165	-0.4047	-0.2829
97	45.21	-0.04	11.5583	-3.3617	-0.1855	0.5965	0.0025	-0.0955	0.3137	-0.4042	-0.2858
98	45.39	-0.04	11.5211	-3.2725	0.0233	0.6005	0.0303	-0.1121	0.3059	-0.4175	-0.2842
99	45.59	-0.06	11.7300	-3.3736	-0.2823	1.1244	-0.0307	-0.0988	0.3140	-0.4127	-0.2876
100	45.76	-0.02	11.6298	-3.3500	-0.0307	0.4300	0.0035	-0.1159	0.3075	-0.4273	-0.2873
101	45.93	-0.04	11.7556	-3.3687	-0.2191	1.0459	-0.0251	-0.0956	0.3085	-0.4070	-0.2865
102	46.05	-0.03	11.7515	-3.1170	-0.0410	0.6501	0.0020	-0.1100	0.3017	-0.4116	-0.2653
103	46.25	-0.05	11.9657	-3.1822	-0.2585	1.0259	-0.0186	-0.1109	0.2985	-0.4053	-0.2656
104	46.46	-0.03	11.9576	-3.2100	-0.1223	0.7370	-0.0100	-0.1300	0.2995	-0.4250	-0.2685
105	46.61	-0.03	12.0032	-2.5908	-0.1576	0.9335	-0.0289	-0.0993	0.3023	-0.4020	-0.2451
106	46.80	-0.02	12.0174	-3.1145	-0.0575	0.6670	-0.0071	-0.1170	0.3001	-0.4250	-0.2552
107	46.93	-0.03	12.1172	-3.1711	-0.1667	0.9446	-0.0235	-0.1000	0.3132	-0.4131	-0.2617
108	47.13	-0.03	11.9012	-2.8701	-0.1520	0.9292	-0.0257	-0.1129	0.2907	-0.4115	-0.2402
109	47.32	-0.03	12.2057	-3.0054	-0.1205	0.7867	-0.0226	-0.1169	0.3041	-0.4209	-0.2528
110	47.50	-0.03	12.3088	-3.2145	-0.1070	0.6030	-0.0270	-0.1202	0.3062	-0.4323	-0.2612
111	47.69	-0.03	12.4057	-3.3705	-0.0640	0.5823	-0.0159	-0.1423	0.3054	-0.4476	-0.2709
112	47.80	-0.02	12.5080	-3.0176	0.0074	0.4105	-0.0101	-0.1400	0.3060	-0.4547	-0.3033
113	48.01	-0.03	12.5077	-3.6538	-0.1138	0.4759	-0.0046	-0.1363	0.3185	-0.4547	-0.2903
114	48.20	-0.02	12.6735	-3.7066	0.0165	0.1909	0.0010	-0.1376	0.3240	-0.4615	-0.2925
115	48.37	-0.01	12.8381	-3.8167	-0.1006	-0.1627	0.0354	-0.1402	0.3233	-0.4714	-0.2973
116	48.55	-0.01	12.7443	-3.0000	0.1178	-0.0857	0.0457	-0.1359	0.3222	-0.4500	-0.2874
117	48.71	-0.02	12.7586	-3.5136	-0.0683	-0.0010	0.0564	-0.1410	0.3252	-0.4661	-0.2745
118	48.86	-0.02	12.6700	-2.5003	-0.0656	0.5553	0.0445	-0.0959	0.3300	-0.4325	-0.2121
119	49.05	-0.00	12.6938	-2.5713	-0.1588	0.4807	-0.0389	-0.0853	0.3435	-0.4288	-0.2028
120	49.20	-0.01	12.6371	-2.3450	-0.0105	0.6073	0.0433	-0.0747	0.3602	-0.4345	-0.1856
121	49.38	0.00	12.6848	-2.1227	0.0648	0.8917	0.0370	-0.0621	0.3581	-0.4202	-0.1673
122	49.55	0.02	12.7005	-2.0450	0.1251	0.9012	0.0485	-0.0620	0.3625	-0.4245	-0.1606
123	49.73	0.01	12.7057	-2.0123	0.2137	0.9357	0.0428	-0.0623	0.3671	-0.4294	-0.1670
124	49.91	0.01	12.8330	-2.2505	0.2310	0.8424	0.0331	-0.0755	0.3650	-0.4405	-0.1760
125	50.05	0.01	12.8903	-2.0525	0.2218	1.0804	0.0587	-0.0734	0.3605	-0.4343	-0.1603
126	50.24	-0.00	12.9711	-2.2514	0.1907	1.0200	0.0594	-0.0819	0.3641	-0.4320	-0.1767
127	50.44	0.01	13.0760	-2.1144	0.2652	1.2611	0.0690	-0.0663	0.3658	-0.4321	-0.1617
128	50.60	0.02	13.1300	-2.4943	0.2440	1.0003	0.0790	-0.0608	0.3644	-0.4332	-0.1897

PAGE 2 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH NO=6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 1.5 1.10 1.7				C.C. Blunfil		G.C	0	-30	J	-30	UNKNOWN	
FLINT	ALPHA	BETA	CHI 1	CHI	Col	XCPF1	YCPF1	CAF2	CH2	CB2	XCPF2	YCPF2
1	-5.65	0.02	-0.0001	0.0000	0.0037	-0.1311	-0.6000	-1.3762	-0.0429	-0.7167	0.0312	0.5208
2	-5.66	0.00	-0.0004	0.0000	0.0039	-0.0238	-0.4043	-1.3705	-0.0420	-0.7108	0.0306	0.5186
3	-5.66	0.00	-0.0053	0.0001	0.0028	-0.0137	-0.3011	-1.3705	-0.0422	-0.7056	0.0308	0.5179
4	-5.66	0.00	-0.0003	0.0000	0.0030	-0.0301	-0.3014	-1.3755	-0.0424	-0.7122	0.0308	0.5179
5	-5.65	0.01	-0.0001	0.0000	0.0035	-0.0617	-0.2469	-1.3416	-0.0405	-0.7013	0.0301	0.5227
6	-5.64	0.00	-0.0005	0.0000	0.0035	-1.4445	-7.8000	-1.3096	-0.0444	-0.6989	0.0301	0.5337
7	-1.04	0.01	-0.0000	0.0000	0.0014	0.4557	-7.0000	-1.2386	-0.0510	-0.6720	0.0412	0.5425
8	0.24	0.00	0.0012	0.0000	0.0004	0.4100	-0.3335	-1.1453	-0.0503	-0.6278	0.0505	0.5482
9	2.07	0.01	0.0000	0.0000	0.0015	0.3909	0.1705	-1.0580	-0.0509	-0.5746	0.0557	0.5431
10	3.68	0.01	0.0003	0.0000	0.0006	-0.0857	-0.1714	-0.9595	-0.0544	-0.5215	0.0624	0.5435
11	5.74	0.00	0.0000	0.0000	0.0007	0.3392	0.1250	-0.8239	-0.0584	-0.4457	0.0709	0.5458
12	7.04	0.01	-0.0014	0.0000	0.0032	0.2471	0.1839	-0.7083	-0.0539	-0.3939	0.0789	0.5561
13	8.44	0.00	-0.0002	0.0000	0.0014	0.1534	-0.0593	-0.5813	-0.0524	-0.3440	0.0846	0.5582
14	11.35	0.00	-0.0000	0.0000	0.0035	-0.0724	-0.1826	-0.4807	-0.0421	-0.2754	0.0876	0.5729
15	13.27	0.00	-0.0000	0.0000	0.0033	-0.0315	-0.1154	-0.3537	-0.0359	-0.2236	0.0987	0.6148
16	15.23	0.01	-0.0000	0.0000	0.0017	-0.0023	-0.0395	-0.2035	-0.0234	-0.1709	0.1078	0.6486
17	17.25	0.00	-0.0002	0.0000	0.0023	0.1326	0.0460	-0.1460	-0.0191	-0.1161	0.1308	0.7952
18	19.17	0.01	-0.0000	0.0000	0.0005	0.1303	0.0000	-0.0805	-0.0005	-0.0822	0.0683	1.0211
19	21.16	0.00	-0.0000	0.0000	0.0000	0.0657	0.3945	-0.0050	0.0013	-0.0470	-1.4558	9.4000
20	23.20	0.00	-0.1445	0.0000	0.0030	0.1167	0.5153	0.0235	0.0441	-0.0403	1.0253	-1.2643
21	25.17	0.01	-0.1308	0.0000	0.0171	-0.0095	0.1232	0.5007	0.0005	0.0412	-0.0015	-0.0226
22	27.24	0.04	0.3230	0.0250	0.1095	0.0790	0.5247	0.1022	0.0487	0.0301	0.3002	0.2226
23	28.36	0.15	0.1541	0.0150	0.1134	0.0803	0.5542	0.1530	0.0536	0.0331	0.3502	0.2163
24	28.22	0.04	0.2802	0.0235	0.1042	0.0821	0.5737	0.1623	0.0501	0.0432	0.3354	0.2602
25	28.60	0.04	0.1500	0.0137	0.1218	0.0890	0.6133	0.1582	0.0534	0.0415	0.3691	0.2623
26	28.93	0.03	0.1470	0.0134	0.0948	0.0911	0.5769	0.1592	0.0611	0.0412	0.3837	0.2586
27	29.21	0.01	0.1606	0.0116	0.0941	0.0722	0.5859	0.1708	0.0646	0.0516	0.3781	0.3021
28	29.52	0.05	0.1504	0.0135	0.1154	0.0601	0.5825	0.1827	0.0644	0.0565	0.3524	0.3224
29	29.81	0.03	0.1461	0.0112	0.0835	0.0766	0.5743	0.1824	0.0678	0.0580	0.3716	0.3180
30	30.10	0.06	0.1540	0.0100	0.0805	0.0847	0.5724	0.1892	0.0704	0.0605	0.3746	0.3515
31	30.38	0.01	0.1120	0.0122	0.0724	0.1083	0.6330	0.1772	0.0715	0.0567	0.4034	0.3200
32	30.65	0.04	0.1478	0.0115	0.0536	0.1040	0.6333	0.1902	0.0754	0.0722	0.3803	0.3643
33	30.54	0.04	0.1258	0.0126	0.0732	0.1001	0.5819	0.2097	0.0786	0.0806	0.3757	0.3844
34	31.19	0.06	0.1540	0.0151	0.1213	0.0775	0.6227	0.2135	0.0777	0.0828	0.3638	0.3676
35	31.45	0.02	0.0125	0.0000	0.0172	0.0444	1.2741	0.2310	0.0828	0.0908	0.3583	0.3531
36	31.77	0.01	-0.0001	0.0000	0.0032	0.0000	0.1090	0.2259	0.0842	0.0844	0.3726	0.3557
37	32.03	0.03	0.1485	0.0127	0.0537	0.0853	0.6293	0.2345	0.0824	0.0854	0.3513	0.4000
38	32.31	0.00	-0.0044	0.0000	0.0105	0.0232	0.3109	0.2376	0.0859	0.0862	0.3614	0.4045
39	32.56	0.01	-0.0071	0.0000	0.0155	0.0543	0.2785	0.2351	0.0868	0.0851	0.3691	0.4045
40	32.85	0.01	0.0245	0.0000	0.0230	0.1044	0.4558	0.2493	0.0865	0.1050	0.3485	0.4212
41	33.10	0.01	0.0452	0.0000	0.0383	0.1548	0.8473	0.2542	0.0864	0.1063	0.3398	0.4182
42	33.37	0.01	0.0141	0.0000	0.0033	0.0244	0.2360	0.2493	0.0869	0.1040	0.3485	0.4172
43	33.61	0.02	0.1210	0.0114	0.0834	0.0962	0.6893	0.2710	0.0870	0.1105	0.3209	0.4295
44	33.86	0.01	0.0502	0.0000	0.0075	0.0470	0.1358	0.2642	0.0887	0.1225	0.3120	0.4316
45	34.13	0.01	0.0500	0.0000	0.0000	0.0552	0.1701	0.2753	0.0893	0.1251	0.3073	0.4308
46	34.35	0.01	0.0500	0.0000	0.0075	0.0440	0.1500	0.2720	0.0915	0.1350	0.2908	0.4291

PAGE 4 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

PLINT	ALPHA	BETA	TEST PART MACH AXIS-X		PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
			7	133 1.0 1.0				0	-30	0	-30	UNKNOWN
			CNF1	CH1	Cb1	ALPF1	YCPF1	CNF2	CH2	Cb2	XCPF2	YCPF2
47	34.02	0.02	0.1564	0.0176	0.1067	0.1111	0.6610	0.3363	0.0898	0.1308	0.2531	0.4276
48	34.87	0.01	0.0623	0.0100	0.0631	0.1215	0.7067	0.3214	0.0416	0.1356	0.2845	0.4212
49	35.13	0.02	0.0721	0.0087	0.0647	0.1206	0.6974	0.3367	0.0935	0.1357	0.2667	0.4155
50	35.38	0.00	0.1171	0.0118	0.0753	0.1307	0.6772	0.3320	0.0898	0.1364	0.2698	0.4106
51	35.60	0.02	0.1159	0.0141	0.0827	0.1176	0.6857	0.3391	0.0905	0.1413	0.2668	0.4185
52	35.86	0.03	0.1231	0.0205	0.1201	0.1141	0.6759	0.3442	0.0835	0.1422	0.2570	0.4131
53	36.09	0.02	0.1187	0.0142	0.0835	0.1156	0.7035	0.3502	0.0898	0.1433	0.2554	0.4052
54	36.31	0.00	0.1160	0.0143	0.0741	0.1250	0.6806	0.3668	0.0512	0.1500	0.2686	0.4069
55	36.57	-0.00	0.0612	0.0123	0.0602	0.1514	0.7414	0.3727	0.0903	0.1508	0.2422	0.4046
56	36.80	-0.00	0.0526	0.0120	0.0633	0.1504	0.6880	0.3800	0.0905	0.1525	0.2381	0.4024
57	37.03	-0.03	0.0523	0.0135	0.0596	0.1500	0.6957	0.3918	0.0919	0.1568	0.2345	0.4002
58	37.29	0.00	0.0633	0.0162	0.0450	0.1562	0.6891	0.4001	0.0934	0.1638	0.2295	0.4033
59	37.51	-0.00	0.0553	0.0074	0.0365	0.1338	0.6800	0.4155	0.0940	0.1670	0.2262	0.4019
60	37.74	-0.02	0.0751	0.0113	0.0499	0.1428	0.6308	0.4250	0.0953	0.1717	0.2242	0.4040
61	37.99	-0.02	0.1113	0.0155	0.0670	0.1392	0.6320	0.4261	0.0964	0.1718	0.2262	0.4032
62	38.22	-0.01	0.0704	0.0097	0.0390	0.1377	0.5653	0.4494	0.0963	0.1813	0.2187	0.4034
63	38.45	-0.01	0.0740	0.0130	0.0455	0.1637	0.6203	0.4403	0.0972	0.1748	0.2207	0.3976
64	38.69	-0.02	0.0521	0.0171	0.0500	0.1743	0.5790	0.4406	0.0981	0.1794	0.2200	0.3999
65	38.92	-0.00	0.1124	0.0173	0.0585	0.1535	0.5240	0.4562	0.0995	0.1822	0.2180	0.3976
66	39.14	-0.03	0.0752	0.0123	0.0376	0.1635	0.5027	0.4809	0.1001	0.1921	0.2081	0.3555
67	39.36	-0.00	0.0524	0.0128	0.0435	0.1365	0.4730	0.4931	0.1002	0.1961	0.2031	0.3577
68	39.57	-0.02	0.1057	0.0164	0.0515	0.1551	0.4872	0.4893	0.1021	0.1955	0.2086	0.3563
69	39.76	-0.00	0.1082	0.0224	0.0552	0.2070	0.5102	0.4844	0.1017	0.1925	0.2055	0.3574
70	39.95	-0.02	0.0852	0.0053	0.0475	0.0766	0.2587	0.5380	0.0991	0.2247	0.1774	0.4023
71	40.21	-0.02	0.0760	0.0096	0.0268	0.1276	0.3490	0.5363	0.1031	0.2157	0.1922	0.3585
72	40.41	-0.02	0.0718	0.0098	0.0208	0.1276	0.3490	0.5484	0.1007	0.2179	0.1836	0.3573
73	40.62	-0.01	0.0620	0.0123	0.0163	0.1563	0.2952	0.5562	0.1000	0.2221	0.1791	0.3579
74	40.82	-0.01	0.0708	0.0121	0.0157	0.1709	0.2782	0.5739	0.1009	0.2268	0.1758	0.3587
75	41.05	-0.03	0.0548	0.0116	0.0122	0.2589	0.2723	0.5606	0.1014	0.2245	0.1808	0.4003
76	41.25	-0.04	0.0519	0.0075	0.0115	0.1445	0.2216	0.5926	0.1032	0.2378	0.1690	0.4013
77	41.47	-0.03	0.0300	0.0000	0.0015	0.1596	0.0487	0.5878	0.1035	0.2340	0.1709	0.3581
78	41.69	-0.01	0.0236	0.0004	-0.0020	0.1864	-0.1186	0.5903	0.0996	0.2347	0.1687	0.3576
79	41.87	-0.02	0.0173	0.0001	-0.0055	0.2365	-0.3410	0.6033	0.0986	0.2393	0.1637	0.3587
80	42.07	-0.04	0.0180	0.0015	-0.0065	0.0808	-0.3495	0.6325	0.0984	0.2340	0.1555	0.4016
81	42.28	-0.03	0.0318	0.0028	-0.0045	0.0880	-0.1415	0.6252	0.0984	0.2499	0.1573	0.3557
82	42.45	-0.02	-0.0221	-0.0030	-0.0062	0.2202	1.2760	0.6330	0.0981	0.2561	0.1545	0.4014
83	42.65	-0.03	-0.0223	-0.0055	-0.0328	0.1593	1.1590	0.6411	0.0980	0.2580	0.1528	0.3593
84	42.83	-0.04	-0.0222	-0.0065	-0.0312	0.2400	1.1908	0.6483	0.0983	0.2610	0.1516	0.4026
85	43.02	-0.06	-0.0250	-0.0045	-0.0328	0.1800	1.3120	0.6570	0.0974	0.2632	0.1482	0.4006
86	43.20	-0.03	0.0137	-0.0021	-0.0164	-0.1532	-1.3796	0.6574	0.0943	0.2840	0.1352	0.4072
87	43.38	-0.06	-0.0300	-0.0066	-0.0304	0.2199	1.2133	0.6693	0.0969	0.2681	0.1447	0.4006
88	43.59	-0.03	-0.0500	-0.0107	-0.0604	0.1837	0.7105	0.6803	0.0967	0.2759	0.1409	0.4020
89	43.76	-0.03	-0.0567	-0.0162	-0.0645	0.1666	0.7439	0.6828	0.0962	0.2736	0.1409	0.4007
90	43.92	-0.04	-0.0441	-0.0104	-0.0403	0.2330	1.0952	0.6920	0.0952	0.2788	0.1374	0.4025
91	44.11	-0.04	-0.0355	-0.0055	-0.0435	0.2461	1.1403	0.7000	0.0953	0.2853	0.1349	0.4041
92	44.30	-0.05	-0.0474	-0.0143	-0.0579	0.2121	0.8591	0.6975	0.0957	0.2802	0.1372	0.4017

PAGE 2 OF 3
SHEET 3 OF 3

MARTIA MISSILE TAILS EFFECTS DATA

TEST PART		MACH		XIC-6		PHT	CONF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		155		1.0		0.0		0.0		0		0		UNKNOWN
FCINT	ALPHA	BETA	CONF1	CH1	CO1	XCPF1	YCPF1	CONF2	CH2	CH2	XCPF2	YCPF2		
93	44.48	-0.04	-0.1226	-0.0212	-0.0838	0.1729	0.6835	0.6967	0.0970	0.2798	0.1392	0.4016		
94	44.68	-0.04	-0.0536	-0.0030	-0.0031	0.0500	0.0576	0.7202	0.0433	0.2952	0.1461	0.4054		
95	44.85	-0.03	-0.0415	-0.0057	-0.0400	0.2314	0.9547	0.7121	0.0956	0.2870	0.1362	0.4030		
96	45.03	-0.03	-0.0021	-0.0050	-0.0171	2.3603	0.1429	0.7203	0.0944	0.2909	0.1317	0.4039		
97	45.21	-0.04	-0.0455	-0.0132	-0.0471	0.2645	0.9439	0.7171	0.0967	0.2879	0.1348	0.4015		
98	45.39	-0.02	-0.0445	-0.0131	-0.0422	0.2917	0.9399	0.7153	0.0971	0.2876	0.1361	0.4032		
99	45.59	-0.06	-0.0583	-0.0242	-0.0727	0.2461	0.7356	0.7243	0.0963	0.2936	0.1357	0.4058		
100	45.76	-0.02	-0.0454	-0.0145	-0.0435	0.3158	0.9477	0.7306	0.0975	0.2959	0.1334	0.4050		
101	45.93	-0.04	-0.0775	-0.0234	-0.0642	0.3003	0.9241	0.7269	0.0977	0.2932	0.1344	0.4036		
102	46.04	-0.03	-0.0577	-0.0155	-0.0462	0.3374	0.8007	0.7218	0.0993	0.2918	0.1375	0.4043		
103	46.29	-0.05	-0.0525	-0.0300	-0.0675	0.3228	0.7309	0.7119	0.1004	0.2871	0.1410	0.4033		
104	46.46	-0.03	-0.0661	-0.0250	-0.0576	0.3781	0.8744	0.7206	0.0993	0.2912	0.1378	0.4041		
105	46.61	-0.03	-0.0700	-0.0228	-0.0557	0.3256	0.7957	0.7160	0.1020	0.2901	0.1420	0.4040		
106	46.80	-0.02	0.0030	-0.0020	-0.0187	-0.7776	-0.1444	0.7201	0.0999	0.2948	0.1372	0.4046		
107	46.96	-0.03	-0.0518	-0.0236	-0.0471	0.4593	0.9393	0.7313	0.1012	0.2944	0.1383	0.4026		
108	47.13	-0.03	-0.0696	-0.0240	-0.0583	0.3437	0.8002	0.7218	0.1023	0.2923	0.1420	0.4050		
109	47.32	-0.03	-0.0265	-0.0258	-0.0384	0.9753	1.4866	0.7546	0.1004	0.3085	0.1330	0.4088		
110	47.50	-0.03	-0.0234	-0.0263	-0.0362	1.1236	1.5470	0.7621	0.0997	0.3116	0.1308	0.4089		
111	47.65	-0.03	-0.0051	-0.0264	-0.0275	5.1751	5.3522	0.7645	0.1007	0.3108	0.1317	0.4063		
112	47.86	-0.02	0.0032	-0.0310	0.0030	-0.4504	0.0475	0.8317	0.0934	0.3458	0.1123	0.4158		
113	48.01	-0.03	0.0642	-0.0302	-0.0087	-0.3586	0.1033	0.8327	0.0937	0.3443	0.1125	0.4135		
114	48.20	-0.02	0.0036	-0.0255	-0.0032	-0.4006	-0.0503	0.8077	0.0966	0.3325	0.1156	0.4122		
115	48.37	-0.01	0.1007	-0.0027	0.0453	-0.0168	0.3068	0.7849	0.0962	0.3237	0.1225	0.4124		
116	48.55	-0.01	0.1701	-0.0105	0.0513	-0.0641	0.3016	0.8209	0.0935	0.3420	0.1144	0.4166		
117	48.71	-0.02	0.1342	0.0076	0.0383	0.0566	0.2654	0.7477	0.0967	0.3088	0.1320	0.4130		
118	48.86	-0.02	0.0027	0.0006	0.0076	0.1052	0.1244	0.8072	0.1024	0.2817	0.1490	0.4099		
119	49.05	-0.00	0.0020	0.0061	-0.0150	0.2772	-0.8818	0.8759	0.1031	0.2783	0.1525	0.4117		
120	49.20	-0.01	0.0135	0.0025	-0.0124	0.1758	-0.8921	0.8635	0.1026	0.2748	0.1546	0.4142		
121	49.38	-0.00	0.0014	-0.0002	-0.0008	-0.1428	-1.8571	0.8438	0.1005	0.2676	0.1561	0.4157		
122	49.55	0.02	0.0106	0.0002	-0.0135	0.0105	-1.2676	0.8377	0.0969	0.2664	0.1550	0.4178		
123	49.73	0.01	0.0111	0.0004	-0.0155	0.0360	-1.4324	0.8353	0.0968	0.2652	0.1555	0.4174		
124	49.91	0.01	0.0077	0.0006	-0.0162	0.0779	-2.1339	0.8012	0.1005	0.2731	0.1543	0.4194		
125	50.05	0.01	0.0217	0.0004	-0.0085	0.0184	-0.4101	0.8182	0.0945	0.2596	0.1528	0.4199		
126	50.24	-0.01	0.0206	-0.0024	-0.0093	-0.1154	-0.4471	0.8202	0.0940	0.2615	0.1515	0.4216		
127	50.44	0.01	0.0004	-0.0004	-0.0187	-15.5557	-46.7500	0.9649	0.0891	0.2343	0.1577	0.4148		
128	50.60	0.02	0.0131	-0.0033	-0.0116	-0.2518	-0.8055	0.8017	0.0919	0.2564	0.1527	0.4261		

PAGE 3 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO=6 7 1.53 1.10 1.7			PHI	CNF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION		
			0.0	3160F11	0.0	0	-30	0	-30	UNKNOWN		
FLINT	ALPHA	BETA	CNF3	CH3	CB3	ACPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.65	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	-1.4501	-0.0408	-0.0590	0.0281	0.4820
2	-5.66	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-1.4420	-0.0404	-0.0571	0.0280	0.4832
3	-5.66	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-1.4390	-0.0403	-0.0554	0.0280	0.4826
4	-5.66	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-1.4503	-0.0408	-0.0700	0.0281	0.4833
5	-5.19	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-1.4190	-0.0455	-0.0618	0.0347	0.4805
6	-3.34	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-1.3922	-0.0514	-0.0803	0.0369	0.4867
7	-1.62	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-1.3200	-0.0539	-0.0601	0.0408	0.4895
8	0.24	-0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-1.2403	-0.0591	-0.0618	0.0476	0.4852
9	2.07	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-1.1518	-0.0603	-0.0552	0.0523	0.4794
10	3.68	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-1.0522	-0.0606	-0.0450	0.0578	0.4704
11	5.74	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.9232	-0.0597	-0.0429	0.0646	0.4654
12	7.64	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.8407	-0.0572	-0.0374	0.0717	0.4666
13	9.44	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.7635	-0.0538	-0.0325	0.0787	0.4756
14	11.39	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.6835	-0.0454	-0.0246	0.0835	0.4577
15	13.27	-0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.6035	-0.0378	-0.0125	0.0874	0.4450
16	15.23	-0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.5229	-0.0313	-0.0171	0.0905	0.4246
17	17.23	-0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.4429	-0.0250	-0.0100	0.0945	0.4466
18	19.17	-0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.3629	-0.0181	-0.0050	0.0951	0.4258
19	21.16	-0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.2829	-0.0110	-0.0000	0.1028	0.3553
20	23.20	-0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.2029	-0.0040	-0.0000	0.1020	0.1419
21	25.17	-0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.1229	-0.0012	-0.0000	0.1050	0.0930
22	27.24	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0429	-0.0000	-0.0000	0.1090	0.4615
23	28.56	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0629	-0.0000	-0.0000	0.1034	0.7155
24	28.22	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0829	-0.0000	-0.0000	0.1032	0.6737
25	28.60	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.1029	-0.0000	-0.0000	0.1028	0.6288
26	28.93	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.1229	-0.0000	-0.0000	0.1038	0.6121
27	29.21	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.1429	-0.0000	-0.0000	0.1030	0.6351
28	29.52	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.1629	-0.0000	-0.0000	0.1037	0.6123
29	29.81	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.1829	-0.0000	-0.0000	0.1034	0.6010
30	30.10	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.2029	-0.0000	-0.0000	0.1035	0.5519
31	30.38	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.2229	-0.0000	-0.0000	0.1032	0.4158
32	30.65	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.2429	-0.0000	-0.0000	0.1030	0.5729
33	30.94	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.2629	-0.0000	-0.0000	0.1028	0.4556
34	31.19	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.2829	-0.0000	-0.0000	0.1026	0.5645
35	31.49	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	-0.3029	-0.0000	-0.0000	0.1024	0.5345
36	31.77	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.3229	-0.0000	-0.0000	0.1254	0.5245
37	32.03	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	-0.3429	-0.0000	-0.0000	0.1328	0.5212
38	32.31	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	-0.3629	-0.0000	-0.0000	0.1359	0.5146
39	32.58	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.3829	-0.0000	-0.0000	0.1439	0.5087
40	32.85	-0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.4029	-0.0000	-0.0000	0.1457	0.5071
41	33.10	-0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.4229	-0.0000	-0.0000	0.1563	0.4995
42	33.37	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.4429	-0.0000	-0.0000	0.1560	0.4555
43	33.61	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	-0.4629	-0.0000	-0.0000	0.1555	0.5032
44	33.88	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.4829	-0.0000	-0.0000	0.1617	0.5036
45	34.13	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.5029	-0.0000	-0.0000	0.1664	0.4975
46	34.39	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	-0.5229	-0.0000	-0.0000	0.1777	0.4904

PAGE 3 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACT RATIO	PHI	CNCF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION			
1	1.5 1.0 1.7	C.C	810UF 1	C.C	0	-30	0	-30	UNKNOWN			
PLINT	ALPHA	BETA	CNF3	CH3	CB3	XCFF3	YCPF3	CNF4	CH4	CB4	XCFF4	YCPF4
47	34.62	0.02	0.0515	5.5555	0.0227	5.5555	0.2470	0.3773	0.0934	0.1851	0.2475	0.4906
48	34.87	0.01	0.0530	5.5555	0.0233	5.5555	0.2505	0.3701	0.0925	0.1816	0.2455	0.4907
49	35.13	0.02	0.0552	5.5555	0.0205	5.5555	0.2453	0.3713	0.0925	0.1822	0.2491	0.4507
50	35.36	0.0	0.0754	5.5555	0.0135	5.5555	0.1750	0.3753	0.0921	0.1824	0.2453	0.4860
51	35.60	0.02	0.0875	5.5555	0.0215	5.5555	0.2457	0.4056	0.0921	0.1963	0.2270	0.4846
52	35.86	0.03	0.0820	5.5555	0.0162	5.5555	0.1976	0.4109	0.0947	0.1985	0.2304	0.4841
53	36.09	0.02	0.0515	5.5555	0.0227	5.5555	0.2470	0.4186	0.0926	0.2001	0.2215	0.4787
54	36.31	0.06	0.0864	5.5555	0.0192	5.5555	0.2222	0.4276	0.0932	0.2045	0.2175	0.4763
55	36.57	0.00	0.0874	5.5555	0.0157	5.5555	0.2254	0.4391	0.0920	0.2107	0.2055	0.4798
56	36.80	0.00	0.0754	5.5555	0.0135	5.5555	0.1848	0.4196	0.0935	0.2024	0.2228	0.4824
57	37.03	0.03	0.0763	5.5555	0.0144	5.5555	0.1887	0.4442	0.0941	0.2112	0.2118	0.4755
58	37.29	0.00	0.0896	5.5555	0.0207	5.5555	0.2310	0.4500	0.0955	0.2151	0.2122	0.4780
59	37.51	0.00	0.0516	5.5555	0.0205	5.5555	0.2277	0.4394	0.0994	0.2109	0.2262	0.4800
60	37.74	0.02	0.0764	5.5555	0.0163	5.5555	0.2079	0.4342	0.0968	0.2173	0.2131	0.4784
61	37.59	0.02	0.0755	5.5555	0.0165	5.5555	0.2126	0.4724	0.0952	0.2245	0.2015	0.4752
62	38.22	0.01	0.0807	5.5555	0.0170	5.5555	0.2107	0.4737	0.0966	0.2240	0.2043	0.4725
63	38.45	0.00	0.0764	5.5555	0.0135	5.5555	0.1767	0.4795	0.0946	0.2271	0.1971	0.4732
64	38.69	0.02	0.0830	5.5555	0.0165	5.5555	0.2229	0.5053	0.0944	0.2393	0.1868	0.4736
65	38.92	0.00	0.0516	5.5555	0.0227	5.5555	0.2473	0.5011	0.0953	0.2381	0.1901	0.4752
66	39.12	0.03	0.0834	5.5555	0.0091	5.5555	0.1408	0.4976	0.0968	0.2365	0.1944	0.4751
67	39.36	0.00	0.0765	5.5555	0.0146	5.5555	0.1946	0.4963	0.0987	0.2373	0.1980	0.4762
68	39.57	0.02	0.0805	5.5555	0.0170	5.5555	0.2101	0.5272	0.0959	0.2508	0.1819	0.4757
69	39.76	0.02	0.0876	5.5555	0.0111	5.5555	0.1642	0.5605	0.0915	0.2658	0.1632	0.4742
70	39.99	0.02	0.0766	5.5555	0.0113	5.5555	0.1614	0.4915	0.1028	0.2353	0.2051	0.4787
71	40.21	0.02	0.0516	5.5555	0.0231	5.5555	0.2538	0.5337	0.0984	0.2543	0.1843	0.4765
72	40.41	0.02	0.0810	5.5555	0.0166	5.5555	0.2049	0.5443	0.0982	0.2554	0.1810	0.4783
73	40.62	0.01	0.0844	5.5555	0.0082	5.5555	0.1335	0.5750	0.0953	0.2750	0.1657	0.4783
74	40.82	0.01	0.0732	5.5555	0.0133	5.5555	0.1817	0.5748	0.0960	0.2751	0.1670	0.4766
75	41.05	0.03	0.0835	5.5555	0.0101	5.5555	0.1542	0.6213	0.0915	0.2564	0.1472	0.4771
76	41.25	0.04	0.0722	5.5555	0.0132	5.5555	0.1628	0.5432	0.0955	0.2636	0.1605	0.4781
77	41.47	0.03	0.0722	5.5555	0.0124	5.5555	0.1717	0.6198	0.0921	0.2555	0.1486	0.4774
78	41.65	0.01	0.0534	5.5555	0.0074	5.5555	0.1235	0.6172	0.0924	0.2556	0.1457	0.4793
79	41.87	0.02	0.0543	5.5555	0.0065	5.5555	0.1197	0.6256	0.0922	0.2590	0.1473	0.4775
80	42.09	0.04	0.0611	5.5555	0.0084	5.5555	0.1375	0.6662	0.0939	0.2992	0.1455	0.4776
81	42.28	0.03	0.0762	5.5555	0.0171	5.5555	0.2232	0.6147	0.0940	0.2937	0.1525	0.4778
82	42.45	0.02	0.0812	5.5555	0.0081	5.5555	0.1307	0.6441	0.0917	0.3084	0.1423	0.4786
83	42.65	0.03	0.0823	5.5555	0.0103	5.5555	0.1653	0.6525	0.0914	0.3117	0.1400	0.4776
84	42.83	0.04	0.0723	5.5555	0.0151	5.5555	0.2075	0.6551	0.0913	0.3128	0.1353	0.4775
85	43.02	0.04	0.0600	5.5555	0.0092	5.5555	0.1533	0.6547	0.0926	0.3124	0.1414	0.4772
86	43.20	0.03	0.0766	5.5555	0.0144	5.5555	0.2057	0.6422	0.0953	0.3067	0.1484	0.4776
87	43.38	0.04	0.0675	5.5555	0.0125	5.5555	0.1841	0.6520	0.0928	0.3113	0.1423	0.4775
88	43.59	0.03	0.0511	5.5555	0.0052	5.5555	0.1135	0.6634	0.0908	0.3284	0.1328	0.4805
89	43.76	0.03	0.0566	5.5555	0.0114	5.5555	0.1738	0.6758	0.0905	0.3232	0.1339	0.4782
90	43.92	0.04	0.0760	5.5555	0.0145	5.5555	0.2124	0.6576	0.0944	0.3162	0.1435	0.4807
91	44.11	0.04	0.0635	5.5555	0.0136	5.5555	0.2076	0.6670	0.0939	0.3210	0.1407	0.4813
92	44.30	0.05	0.0761	5.5555	0.0140	5.5555	0.1997	0.6604	0.0944	0.3173	0.1429	0.4805

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

 PAGE 3 OF 3
 SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			PACK		X10-6		PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7			133		1.1C 1.7		0.0		BAROFIL	0.0	U	-30	U	-30	UNKNOWN
PCINT	ALPHA	BETA	CONF	CH3	CB3	ACPF3	YCPF3	LAF4	CF4	CB4	XCPF4	YCPF4			
93	44.48	-0.04	0.0040	5.9999	0.0122	5.9999	0.1889	0.6791	0.0935	0.3208	0.1376	0.4812			
94	44.60	-0.04	0.0040	5.9999	0.0135	5.9999	0.2044	0.6391	0.0946	0.3078	0.1558	0.4816			
95	44.85	-0.03	0.0037	5.9999	0.0146	5.9999	0.2222	0.6530	0.0967	0.3155	0.1480	0.4832			
96	45.03	-0.03	0.0031	5.9999	0.0105	5.9999	0.1777	0.6412	0.0945	0.3106	0.1551	0.4844			
97	45.21	-0.04	0.0036	5.9999	0.0103	5.9999	0.1810	0.6571	0.0956	0.3181	0.1512	0.4861			
98	45.39	-0.02	0.0039	5.9999	0.0085	5.9999	0.1494	0.6454	0.1003	0.3154	0.1554	0.4687			
99	45.59	-0.06	0.0053	5.9999	0.0171	5.9999	0.2408	0.6672	0.0955	0.3236	0.1457	0.4850			
100	45.76	-0.02	0.0035	5.9999	0.0135	5.9999	0.2352	0.6592	0.1009	0.3199	0.1530	0.4853			
101	45.93	-0.04	0.0048	5.9999	0.0145	5.9999	0.2238	0.6542	0.1004	0.3180	0.1534	0.4861			
102	46.06	-0.03	0.0032	5.9999	0.0114	5.9999	0.1926	0.6268	0.1055	0.3071	0.1683	0.4895			
103	46.29	-0.05	0.0057	5.9999	0.0055	5.9999	0.1291	0.6092	0.1030	0.3000	0.1772	0.4924			
104	46.46	-0.03	0.0036	5.9999	0.0112	5.9999	0.1908	0.6215	0.1059	0.3068	0.1703	0.4936			
105	46.61	-0.03	0.0035	5.9999	0.0111	5.9999	0.1986	0.5940	0.1108	0.2940	0.1865	0.4949			
106	46.80	-0.02	0.0015	5.9999	0.0143	5.9999	0.2125	0.6439	0.1058	0.3166	0.1638	0.4902			
107	46.98	-0.03	0.0032	5.9999	0.0100	5.9999	0.1405	0.5890	0.1126	0.2931	0.1911	0.4576			
108	47.13	-0.03	0.0032	5.9999	0.0064	5.9999	0.1707	0.6030	0.1107	0.2958	0.1835	0.4972			
109	47.32	-0.03	0.0032	5.9999	0.0105	5.9999	0.2072	0.5940	0.1124	0.2975	0.1876	0.4567			
110	47.50	-0.03	0.0071	5.9999	0.0205	5.9999	0.2855	0.6109	0.1117	0.3031	0.1828	0.4562			
111	47.69	-0.03	0.0035	5.9999	0.0134	5.9999	0.2397	0.5897	0.1132	0.2946	0.1915	0.4598			
112	47.80	-0.02	0.0043	5.9999	0.0064	5.9999	0.1550	0.6150	0.1111	0.3067	0.1806	0.4587			
113	48.01	-0.03	0.0043	5.9999	0.0064	5.9999	0.1550	0.6078	0.1117	0.3032	0.1837	0.4588			
114	48.20	-0.02	0.0035	5.9999	0.0102	5.9999	0.2033	0.6152	0.1126	0.3057	0.1830	0.4965			
115	48.37	-0.01	0.0032	5.9999	0.0188	5.9999	0.3052	0.6152	0.1139	0.3051	0.1851	0.4559			
116	48.55	-0.01	0.0032	5.9999	0.0111	5.9999	0.2250	0.6105	0.1127	0.3056	0.1846	0.5006			
117	48.71	-0.02	0.0035	5.9999	0.0147	5.9999	0.2678	0.6239	0.1148	0.3101	0.1840	0.4970			
118	48.80	-0.02	0.0032	5.9999	0.0110	5.9999	0.2282	0.6029	0.1172	0.3010	0.1943	0.4593			
119	49.05	-0.00	0.0034	5.9999	0.0156	5.9999	0.2842	0.6107	0.1171	0.3049	0.1917	0.4593			
120	49.20	-0.01	0.0032	5.9999	0.0145	5.9999	0.2751	0.6091	0.1170	0.3050	0.1933	0.5021			
121	49.38	0.00	0.0034	5.9999	0.0150	5.9999	0.2842	0.6134	0.1167	0.3079	0.1902	0.5020			
122	49.55	0.02	0.0035	5.9999	0.0135	5.9999	0.2673	0.6111	0.1161	0.3072	0.1855	0.5027			
123	49.73	0.01	0.0032	5.9999	0.0155	5.9999	0.3017	0.6130	0.1155	0.3075	0.1853	0.5061			
124	49.91	0.01	0.0030	5.9999	0.0155	5.9999	0.3180	0.6199	0.1168	0.3113	0.1884	0.5022			
125	50.05	0.01	0.0031	5.9999	0.0207	5.9999	0.3350	0.6154	0.1149	0.3093	0.1867	0.5026			
126	50.24	-0.00	0.0030	5.9999	0.0221	5.9999	0.3576	0.6210	0.1140	0.3128	0.1833	0.5031			
127	50.44	0.01	0.0032	5.9999	0.0171	5.9999	0.3043	0.6297	0.1135	0.3167	0.1802	0.5029			
128	50.60	0.02	0.0030	5.9999	0.0175	5.9999	0.3162	0.6296	0.1140	0.3172	0.1810	0.5038			

PAGE 1 OF 3
 SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RAIC-6			PHY	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 135 U-EC 1.7			C.C	0100F11	C.C	0	-20	J	-20	UNKNOWN	
PLINT	ALPHA	BETA	CN	CLM	CY	CLL	CLL	CA	CAB	CAF	XCP
1	-5.65	0.01	-1.4054	4.7132	-0.0022	-0.0051	0.0010	0.7023	0.2674	0.4346	-3.3441
2	-5.70	0.01	-1.4065	4.7404	-0.0011	-0.0010	0.0011	0.7045	0.2670	0.4374	-3.3745
3	-5.70	0.01	-1.4055	4.7453	-0.0000	-0.1060	0.0065	0.7042	0.2679	0.4362	-3.3752
4	-5.71	0.01	-1.4223	4.7505	-0.0032	-0.0032	0.0011	0.7064	0.2680	0.4363	-3.3462
5	-5.70	0.01	-1.4000	4.7424	-0.0024	-0.0053	0.0012	0.7044	0.2675	0.4368	-3.3743
6	-5.70	0.01	-1.3525	4.7152	-0.0007	-0.0034	-0.0018	0.7044	0.2685	0.4354	-3.3845
7	-5.75	0.00	-1.4070	4.7465	-0.0006	-0.0005	0.0012	0.7045	0.2670	0.4424	-3.3737
8	-5.62	0.01	-1.4052	4.7050	-0.0072	-0.0072	0.0065	0.7117	0.2640	0.4470	-3.3855
9	-5.68	0.01	-1.4144	4.6552	-0.0040	-0.0072	0.0067	0.7169	0.2598	0.4370	-3.4354
10	-4.16	0.00	-1.3022	3.0043	-0.0024	-0.0005	0.0010	0.6926	0.2332	0.4593	-3.7313
11	-2.44	0.00	-1.3437	3.5124	-0.0035	-0.0070	0.0045	0.6666	0.1870	0.4756	-4.1024
12	-0.65	0.00	-1.2423	3.0076	-0.0025	-0.0004	0.0029	0.6290	0.1536	0.4754	-4.4883
13	1.06	0.00	-0.5076	4.8250	-0.0012	-0.0078	0.0031	0.5754	0.1484	0.4270	-4.6825
14	2.00	0.01	-0.7250	4.2070	-0.0030	-0.0070	0.0030	0.5119	0.1407	0.3792	-5.7989
15	4.50	0.01	-0.6466	3.7262	-0.0005	-0.0005	-0.0033	0.4750	0.1326	0.3431	-7.6148
16	6.34	0.00	-0.2270	3.1422	-0.0033	-0.0034	-0.0020	0.4270	0.1321	0.2450	-13.6438
17	8.10	0.01	0.0043	2.0025	-0.0002	-0.0034	-0.0023	0.3858	0.1378	0.2460	610.2739
18	4.74	0.01	0.3058	2.0032	-0.0003	-0.0030	-0.0010	0.3440	0.1421	0.2019	6.5638
19	11.55	0.01	0.5728	1.5046	-0.0018	-0.0090	-0.0011	0.3073	0.1473	0.1600	2.7315
20	13.30	0.00	0.0255	1.1944	-0.0030	-0.0039	-0.0017	0.2608	0.1544	0.1205	1.4404
21	15.00	0.01	1.0551	0.9051	-0.0047	-0.0071	-0.0069	0.2554	0.1640	0.0914	0.5336
22	16.87	0.00	1.3242	0.0057	-0.0004	-0.1015	0.0002	0.2330	0.1721	0.0609	0.4952
23	16.65	0.00	1.6204	0.2700	-0.1595	-0.0051	0.0029	0.1949	0.1835	0.0114	0.1666
24	20.41	0.02	1.5730	-0.2311	-0.4003	1.0141	0.0442	0.1503	0.1934	-0.0451	-0.1174
25	22.17	0.02	2.3035	-0.7000	-0.4504	1.0014	0.0437	0.1070	0.2035	-0.0557	-0.3333
26	23.95	0.03	2.6524	-1.2642	-0.7403	2.2734	0.0345	0.0712	0.2184	-0.1412	-0.4766
27	25.72	0.02	3.0376	-1.6740	-0.4502	1.6135	0.0390	0.0229	0.2188	-0.1959	-0.5511
28	27.53	0.01	3.5233	-1.9523	-0.0280	0.0307	0.0396	-0.0334	0.2187	-0.2521	-0.5538
29	27.87	0.01	3.4250	-1.5405	-0.0051	0.2471	0.0363	-0.0333	0.2154	-0.2487	-0.5670
30	28.18	0.02	3.5351	-1.9577	-0.2654	-0.4442	0.0681	-0.0571	0.2163	-0.2734	-0.5532
31	28.43	0.02	3.5618	-1.9054	-0.2501	-0.5442	0.0364	-0.0619	0.2178	-0.2797	-0.5554
32	28.77	0.02	3.6527	-2.0413	-0.2547	-0.3813	0.0330	-0.0744	0.2158	-0.2903	-0.5588
33	29.07	0.03	3.7305	-2.0475	-0.3506	-0.4505	0.0764	-0.0735	0.2172	-0.2507	-0.5450
34	29.34	0.03	3.6032	-2.2116	-0.4274	-0.6404	0.0992	-0.0735	0.2244	-0.2980	-0.5613
35	29.62	0.03	3.6725	-2.3150	-0.3132	-0.2410	0.0763	-0.0767	0.2203	-0.3031	-0.5977
36	29.92	0.03	3.6003	-2.4761	-0.2402	-0.0021	0.0033	-0.0804	0.2207	-0.3172	-0.6008
37	30.17	0.04	4.0025	-2.4465	-0.3503	-0.1227	0.0637	-0.0875	0.2344	-0.3224	-0.6128
38	30.43	0.03	4.0706	-2.5777	-0.3014	-0.1408	0.0339	-0.0447	0.2364	-0.3312	-0.6320
39	30.71	0.02	4.2035	-2.6178	-0.0018	1.0085	0.0208	-0.1020	0.2455	-0.3475	-0.6703
40	30.98	0.02	4.2735	-2.5007	-0.0032	1.3377	0.0051	-0.1053	0.2512	-0.3505	-0.6801
41	31.26	0.02	4.3430	-3.3313	-0.0340	1.0573	0.0283	-0.1068	0.2551	-0.3619	-0.6980
42	31.52	0.02	4.4010	-3.0574	-0.0023	1.2045	0.0129	-0.1114	0.2584	-0.3708	-0.6546
43	31.78	0.02	4.3754	-2.9573	-0.0056	1.5283	-0.0522	-0.1169	0.2526	-0.3695	-0.6813
44	32.05	0.02	4.5500	-3.1147	-0.0054	1.4703	-0.0100	-0.1274	0.2594	-0.3668	-0.6645
45	32.25	0.04	4.6364	-3.2363	-0.2013	1.3260	0.0237	-0.1245	0.2681	-0.3926	-0.6581
46	32.57	0.03	4.7256	-3.0054	-0.2127	1.2361	0.0141	-0.1402	0.2637	-0.4099	-0.6455

PAGE 1 OF 3
SHEET 2 OF 5

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH XX10-6											
7 135 0.60 1.7											
PHI CONP L DEL1 DEL2 DEL3 DEL4 TRANSITION											
0.0 0.10011 C.C 0 -20 0 -20 UNKNOWN											
PLINT	ALPHA	BETA	CA	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
67	32.62	0.04	4.8252	-3.1455	C.2782	1.2563	0.0292	-0.1435	0.2719	-0.4154	-0.6519
68	33.06	0.04	4.4456	-3.1341	C.4424	0.9006	0.0236	-0.1627	0.2714	-0.4341	-0.6269
69	33.33	0.05	5.0387	-3.2367	C.4138	1.1562	0.0301	-0.1489	0.2762	-0.4251	-0.6424
70	33.57	0.05	5.1215	-3.1552	C.4465	1.1751	0.0225	-0.1643	0.2610	-0.4453	-0.6161
71	33.81	0.06	5.2527	-3.3461	C.5204	1.3790	0.0300	-0.1521	0.2513	-0.4433	-0.6416
72	34.07	0.05	5.2163	-3.2346	C.4461	1.3809	0.0228	-0.1604	0.2488	-0.4492	-0.6105
73	34.32	0.06	5.4153	-3.3752	C.6251	1.2404	0.0309	-0.1535	0.3010	-0.4544	-0.6240
74	34.55	0.07	5.5757	-3.4671	C.7026	1.1841	0.0465	-0.1673	0.3102	-0.4774	-0.6250
75	34.80	0.07	5.6660	-3.5730	C.7069	1.3118	0.0463	-0.1545	0.3190	-0.4734	-0.6304
76	35.04	0.07	5.7442	-3.5666	C.6157	1.3144	0.0540	-0.1576	0.3257	-0.4827	-0.6211
77	35.27	0.06	5.7563	-3.4533	C.8222	1.0451	0.0552	-0.1737	0.3132	-0.4869	-0.5556
78	35.51	0.07	5.8624	-3.5365	C.6506	1.0703	0.0461	-0.1644	0.3135	-0.4776	-0.5651
79	35.74	0.07	5.5145	-3.2055	C.7859	0.9231	0.0417	-0.1610	0.3103	-0.4513	-0.5427
80	35.97	0.05	5.9526	-2.9563	C.8018	0.9078	0.0684	-0.2126	0.2935	-0.5063	-0.5050
81	36.20	0.05	5.5484	-2.9325	C.6377	0.6254	0.1006	-0.2105	0.2906	-0.5011	-0.4930
82	36.44	0.06	5.9409	-2.9635	C.5086	0.7593	0.1090	-0.2266	0.2836	-0.5059	-0.4547
83	36.67	0.05	6.1167	-2.9100	C.6543	1.0230	0.1027	-0.2334	0.2828	-0.5219	-0.4757
84	36.89	0.06	6.1760	-2.9359	C.4026	0.6313	0.0792	-0.2429	0.2826	-0.5258	-0.4754
85	37.13	0.05	6.1523	-2.8544	C.6008	0.6415	0.0768	-0.2485	0.2824	-0.5310	-0.4612
86	37.36	0.05	6.2550	-2.8450	C.8165	0.6810	0.0476	-0.2274	0.3019	-0.5293	-0.4748
87	37.60	0.06	6.4607	-3.1735	C.6040	0.5015	0.0063	-0.1576	0.3405	-0.5381	-0.4513
88	37.83	0.06	6.5147	-3.2244	C.7525	1.1150	0.0234	-0.1791	0.3619	-0.5410	-0.4956
89	38.05	0.06	6.6252	-3.1892	C.7356	1.4511	0.0474	-0.1788	0.3736	-0.5524	-0.4811
90	38.29	0.06	6.6013	-3.2678	C.6057	2.0715	0.0714	-0.1867	0.3604	-0.5611	-0.4805
91	38.51	0.07	6.6853	-3.3503	C.7865	2.0725	0.0716	-0.1722	0.3905	-0.5617	-0.4863
92	38.72	0.06	6.5829	-3.3472	0.6116	2.3595	0.1024	-0.1761	0.3935	-0.5714	-0.4793
93	38.94	0.07	7.0760	-3.3821	C.6572	2.2246	0.0788	-0.1679	0.4002	-0.5681	-0.4780
94	39.17	0.07	7.3053	-3.0165	C.6703	2.6374	0.1111	-0.1775	0.4041	-0.5616	-0.4950
95	39.36	0.07	7.3554	-3.7029	C.6056	2.5826	0.1116	-0.1903	0.4057	-0.5552	-0.5031
96	39.58	0.07	7.4555	-3.6637	C.7056	2.7125	0.1027	-0.1839	0.4062	-0.5501	-0.4941
97	39.78	0.07	7.4550	-3.6064	0.6593	2.5057	0.1018	-0.1944	0.4057	-0.6001	-0.4838
98	39.96	0.08	7.5922	-3.7265	C.7549	2.5668	0.1020	-0.1976	0.4090	-0.6066	-0.4909
99	40.18	0.08	7.5542	-3.4730	C.8810	1.9474	0.0892	-0.1979	0.4081	-0.6040	-0.4597
100	40.40	0.04	7.7254	-3.0066	1.0487	1.7755	0.0379	-0.2067	0.4105	-0.6172	-0.4669
101	40.58	0.07	7.6506	-3.3570	C.8662	1.6622	0.0372	-0.2064	0.4105	-0.6169	-0.4440
102	40.80	0.06	7.7157	-3.5252	0.6518	1.2459	0.0204	-0.2156	0.4105	-0.6254	-0.4315
103	40.99	0.06	7.7683	-3.2203	C.9712	1.1806	0.0190	-0.2100	0.4182	-0.6282	-0.4145
104	41.14	0.06	7.7960	-3.2641	C.9005	1.3444	0.0353	-0.2243	0.4187	-0.6430	-0.4109
105	41.38	0.07	7.9260	-3.2254	1.0795	1.0728	0.0188	-0.1920	0.4280	-0.6200	-0.4074
106	41.50	0.06	7.9214	-3.2231	C.9513	1.2375	0.0345	-0.2023	0.4310	-0.6333	-0.4069
107	41.79	0.07	8.1158	-3.2643	1.1201	1.2386	0.0186	-0.2091	0.4310	-0.6361	-0.4022
108	41.96	0.07	8.2355	-3.3420	1.1050	1.2553	0.0356	-0.2091	0.4423	-0.6514	-0.4119
109	42.15	0.06	8.2262	-3.1863	C.9611	1.3157	0.0332	-0.1949	0.4453	-0.6402	-0.3873
110	42.34	0.07	8.3010	-3.3528	1.1056	1.3516	0.0332	-0.2006	0.4456	-0.6546	-0.4010
111	42.52	0.07	8.4568	-3.3527	1.1621	1.2799	0.0327	-0.1993	0.4552	-0.6545	-0.3964
112	42.68	0.06	8.5052	-3.3152	1.1362	1.3230	0.0325	-0.2006	0.4557	-0.6663	-0.3898

PAGE 1 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH NO. 10-6											
7 135 0.00 1.7 0.0 0.0 0 -20 0 -20 UNKNOWN											
FCINT	ALPHA	BETA	CN	CLM	CL	CLN	CLL	CA	CAB	CAF	XCP
93	42.88	0.08	8.7631	-3.8155	1.2492	1.6586	-0.0485	-0.2112	0.4558	-0.6670	-0.4126
94	43.37	0.08	8.7458	-3.4454	1.1700	1.4439	-0.0396	-0.2259	0.4503	-0.6623	-0.3557
95	43.26	0.08	8.8824	-3.8153	1.1624	1.6884	-0.0552	-0.2149	0.4631	-0.6781	-0.4075
96	43.41	0.08	8.4571	-3.4951	1.1858	1.7525	-0.0477	-0.2201	0.4615	-0.6877	-0.4129
97	43.61	0.08	9.0130	-3.7254	1.2146	1.7461	-0.0549	-0.2185	0.4625	-0.6811	-0.4133
98	43.75	0.08	9.1116	-3.6603	1.2481	1.8107	-0.0624	-0.2242	0.4641	-0.6884	-0.4259
99	43.97	0.08	9.2527	-3.9154	1.1848	1.8226	-0.0617	-0.2316	0.4616	-0.6933	-0.4232
100	44.16	0.08	9.1758	-3.5247	1.1341	1.7631	-0.0613	-0.2236	0.4604	-0.6921	-0.3841
101	44.34	0.08	9.2805	-3.9235	1.2382	1.8863	-0.0654	-0.2143	0.4726	-0.6930	-0.3904
102	44.53	0.08	9.3719	-3.7884	1.2201	1.8572	-0.0675	-0.2208	0.4724	-0.7013	-0.4048
103	44.69	0.07	9.4051	-3.7501	1.1444	1.7415	-0.0452	-0.2347	0.4752	-0.7150	-0.3987
104	44.88	0.07	9.5368	-3.8608	1.2517	1.8705	-0.0629	-0.2338	0.4801	-0.7140	-0.4048
105	45.07	0.07	9.5752	-3.9128	1.2355	1.7763	-0.0647	-0.2356	0.4821	-0.7177	-0.4086
106	45.25	0.07	9.7267	-4.0142	1.2256	1.9560	-0.0375	-0.2408	0.4835	-0.7303	-0.4126
107	45.41	0.07	9.7112	-3.9618	1.2514	1.7825	-0.0567	-0.2349	0.4850	-0.7199	-0.4080
108	45.59	0.07	9.8015	-3.9538	1.2424	1.8844	-0.0602	-0.2442	0.4873	-0.7315	-0.4075
109	45.76	0.07	9.8119	-3.9532	1.2081	1.8980	-0.0628	-0.2508	0.4888	-0.7378	-0.4029
110	45.95	0.08	10.0385	-4.1039	1.3884	1.8613	-0.0678	-0.2454	0.4916	-0.7370	-0.4150
111	46.11	0.07	10.1322	-4.1050	1.2886	1.8150	-0.0197	-0.2370	0.4983	-0.7353	-0.4111
112	46.28	0.07	10.2467	-4.3435	1.3017	1.8888	-0.0353	-0.2500	0.5003	-0.7583	-0.4239
113	46.46	0.07	10.2501	-4.1718	1.2094	1.9850	-0.0275	-0.2573	0.4964	-0.7537	-0.4070
114	46.65	0.08	10.4595	-4.3884	1.3734	2.1141	-0.0504	-0.2609	0.4985	-0.7672	-0.4156
115	46.80	0.08	10.4350	-4.3571	1.3058	2.1408	-0.0502	-0.2620	0.4977	-0.7597	-0.4175
116	46.99	0.08	10.5549	-4.4485	1.3027	2.3084	-0.0574	-0.2752	0.4977	-0.7724	-0.4215
117	47.17	0.08	10.6009	-4.4303	1.2551	2.5850	-0.0681	-0.2657	0.4990	-0.7653	-0.4179
118	47.33	0.07	10.5804	-4.2340	1.1519	2.7133	-0.0885	-0.2556	0.5102	-0.7658	-0.4009
119	47.49	0.08	10.5582	-4.1453	0.9528	2.8542	-0.1032	-0.2635	0.5073	-0.7708	-0.3527
120	47.67	0.08	10.7030	-4.3318	1.1014	3.0051	-0.1037	-0.2714	0.5053	-0.7767	-0.4047
121	47.84	0.08	10.8453	-4.2231	0.9752	2.9967	-0.1180	-0.2739	0.5119	-0.7858	-0.3566
122	48.01	0.05	10.6709	-4.0765	0.9011	3.0534	-0.1253	-0.2713	0.5105	-0.7818	-0.3820
123	48.18	0.05	10.7359	-4.0185	0.9105	3.2558	-0.1331	-0.2801	0.5171	-0.8012	-0.3743
124	48.33	0.05	10.8498	-4.0054	0.8135	3.2015	-0.1328	-0.2776	0.5123	-0.7899	-0.3743
125	48.51	0.05	10.7752	-4.0055	0.9047	3.1505	-0.1399	-0.2906	0.5161	-0.8066	-0.3721
126	48.68	0.04	10.8835	-4.0165	0.7397	3.2980	-0.1328	-0.2937	0.5147	-0.8085	-0.3713
127	48.84	0.05	10.7255	-3.8800	0.7589	3.2245	-0.1325	-0.3155	0.4971	-0.8125	-0.3431
128	49.01	0.04	10.7048	-3.8800	0.7600	3.0550	-0.1391	-0.3262	0.4951	-0.8212	-0.3419
129	49.20	0.03	10.8489	-3.3514	0.8045	2.7729	-0.1447	-0.3526	0.4812	-0.8338	-0.3148
130	49.36	0.01	10.5845	-3.0507	0.9105	2.4535	-0.1360	-0.3719	0.4607	-0.8326	-0.2888
131	49.51	0.01	10.5764	-3.0235	0.9021	2.3037	-0.1280	-0.3532	0.4484	-0.8416	-0.2858
132	49.68	0.01	10.5115	-2.7353	0.9802	2.1493	-0.1271	-0.4052	0.4408	-0.8480	-0.2602
133	49.87	0.01	10.7659	-2.5864	0.9073	2.5501	-0.1281	-0.3559	0.4588	-0.8547	-0.2776
134	50.04	0.01	10.8357	-2.8543	0.9175	2.6404	-0.1280	-0.3709	0.4731	-0.8500	-0.2633
135	50.20	0.01	10.7810	-2.7543	0.9234	2.4640	-0.1275	-0.3874	0.4521	-0.8355	-0.2580
136	50.37	0.01	10.9311	-3.0001	0.9701	2.5715	-0.1055	-0.3721	0.4688	-0.8409	-0.2805
137	50.56	0.03	11.3089	-3.8807	0.9748	3.2101	-0.1074	-0.3335	0.5013	-0.8347	-0.3280
138	50.74	0.03	11.4854	-3.8558	0.9625	3.5455	-0.1088	-0.3406	0.5104	-0.8509	-0.3352

PAGE 1 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF XXIC-E												
7 135 G.EC 1.7 0.0 0.10611 C.C												
DEL1 DEL2 DEL3 DEL4 TRANSITION												
U -20 U -20 UNKNOWN												
PCINT	ALPHA	BETA	CN	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP	
139	50.89	0.05	11.5775	-4.0103	0.6236	3.4400	-0.1000	-0.3519	0.5161	-0.6680	-0.3464	
140	51.06	0.05	11.6215	-4.0257	0.6311	3.5411	-0.1010	-0.3495	0.5114	-0.6608	-0.3464	
141	51.24	0.05	11.6662	-4.1557	0.6661	3.6641	-0.1007	-0.3551	0.5147	-0.6658	-0.3594	
142	51.39	0.05	11.6657	-4.1916	0.6312	3.5591	-0.0896	-0.3501	0.5215	-0.6746	-0.3551	
143	51.58	0.05	11.5205	-4.3173	0.6150	3.6786	-0.0940	-0.3596	0.5220	-0.6818	-0.3622	
144	51.73	0.06	11.5031	-4.2836	0.6777	3.6730	-0.1016	-0.3742	0.5220	-0.6962	-0.3594	
145	51.91	0.06	11.4773	-4.3221	0.6565	3.9347	-0.1016	-0.3700	0.5191	-0.6891	-0.3609	
146	52.07	0.06	12.0460	-4.4457	0.7272	3.9190	-0.1015	-0.3919	0.5124	-0.9043	-0.3691	
147	52.23	0.06	12.0576	-4.3362	0.7074	4.1459	-0.1090	-0.3842	0.5211	-0.9053	-0.3596	
148	52.41	0.07	12.1850	-4.5425	0.7510	4.2523	-0.1175	-0.3898	0.5168	-0.9060	-0.3728	
149	52.58	0.07	12.3548	-4.7002	0.9125	4.1224	-0.1315	-0.4054	0.5061	-0.9135	-0.3804	
150	52.75	0.09	12.5427	-4.8100	1.1574	3.9712	-0.1069	-0.4104	0.4928	-0.9032	-0.3835	
151	52.91	0.09	12.3812	-4.7167	1.1228	3.9246	-0.1166	-0.4117	0.4913	-0.9030	-0.3810	
152	53.08	0.09	12.4882	-4.8753	1.2256	3.7442	-0.1010	-0.4021	0.4930	-0.8959	-0.3748	
153	53.26	0.10	12.6508	-4.8237	1.2005	3.5678	-0.0774	-0.4090	0.4854	-0.8942	-0.3613	
154	53.35	0.10	12.6869	-4.5715	1.3274	3.5625	-0.0886	-0.4100	0.4861	-0.8961	-0.3609	
155	53.55	0.10	12.7765	-4.6647	1.3740	3.2118	-0.0524	-0.4145	0.4900	-0.9045	-0.3668	
156	53.71	0.09	12.6573	-4.6139	1.2275	3.3587	-0.0601	-0.3955	0.4905	-0.8860	-0.3634	
157	53.87	0.06	12.8612	-4.5553	1.1752	3.3136	-0.0370	-0.3974	0.4959	-0.8533	-0.3565	
158	54.03	0.09	12.8351	-4.5445	1.3426	2.8297	-0.0057	-0.3698	0.4906	-0.8704	-0.3541	
159	54.18	0.08	12.9723	-4.8651	1.1573	3.2443	-0.0366	-0.4152	0.4955	-0.9121	-0.3753	
160	54.34	0.09	12.9650	-4.7053	1.1775	2.9788	0.0094	-0.4050	0.4848	-0.8868	-0.3622	
161	54.50	0.09	13.1458	-4.8730	1.1785	2.5585	0.0249	-0.3932	0.4541	-0.8873	-0.3708	
162	54.66	0.07	13.2842	-4.8902	1.0161	2.8633	0.0261	-0.4115	0.4959	-0.9114	-0.3681	
163	54.81	0.09	13.3548	-4.9408	1.2404	2.8814	0.0336	-0.3801	0.5073	-0.8874	-0.3685	
164	54.96	0.08	13.4462	-4.8156	1.0543	2.9886	0.0414	-0.3801	0.5103	-0.8404	-0.3581	
165	55.11	0.07	13.3469	-4.5070	0.9621	3.0293	0.0410	-0.3722	0.5059	-0.8781	-0.3676	
166	55.33	0.06	13.6006	-5.1610	0.5050	3.1705	0.0413	-0.3615	0.5089	-0.6904	-0.3753	
167	55.50	0.07	13.7364	-5.0662	1.0624	3.0782	0.0345	-0.3774	0.5133	-0.8507	-0.3688	
168	55.66	0.07	13.6745	-5.1007	1.1404	2.8750	0.0423	-0.3664	0.5138	-0.9002	-0.3789	
169	55.81	0.05	13.7850	-5.1585	0.8383	3.0859	0.0349	-0.3862	0.5129	-0.8991	-0.3747	
170	55.96	0.06	13.6646	-5.0620	1.0074	2.9070	0.0420	-0.3920	0.5145	-0.9065	-0.3699	
171	56.13	0.06	13.9034	-5.2335	1.2111	3.1226	0.0621	-0.3954	0.5218	-0.9172	-0.3764	
172	56.29	0.07	14.0431	-5.2841	1.1088	2.9634	0.0434	-0.4090	0.5135	-0.9225	-0.3763	
173	56.44	0.07	14.0451	-5.3563	1.2373	3.0032	0.0429	-0.4198	0.5170	-0.9368	-0.3842	
174	56.59	0.05	13.9373	-5.0140	1.0103	3.2840	0.0348	-0.3638	0.5184	-0.8627	-0.3558	
175	56.75	0.06	14.0345	-5.2165	1.1826	2.8787	0.0437	-0.3822	0.5278	-0.9100	-0.3717	
176	56.90	0.05	14.0280	-5.2264	0.9922	2.9215	0.0439	-0.4036	0.5219	-0.9255	-0.3726	
177	57.04	0.05	14.1572	-5.3546	1.0253	3.0222	0.0515	-0.3943	0.5259	-0.9202	-0.3800	
178	57.18	0.04	13.9015	-5.2077	1.0431	2.8574	0.0447	-0.4143	0.5215	-0.9362	-0.3723	
179	57.33	0.04	14.1801	-5.2570	0.9196	3.0517	0.0517	-0.3902	0.5343	-0.9245	-0.3713	
180	57.49	0.05	14.3125	-5.3733	1.0534	2.8504	0.0457	-0.4158	0.5298	-0.9250	-0.3754	
181	57.62	0.04	14.1284	-5.1338	1.0331	2.7419	0.0526	-0.4083	0.5433	-0.9318	-0.3634	
182	57.77	0.05	14.1205	-5.3164	1.1145	2.7807	0.0448	-0.4211	0.5428	-0.9039	-0.3763	
183	57.89	0.05	14.4154	-5.3555	1.1421	2.6670	0.0460	-0.4204	0.5433	-0.9637	-0.3717	
184	57.87	0.04	14.2033	-5.1167	1.0466	2.8800	0.0531	-0.4240	0.5374	-0.9014	-0.3602	

PAGE 1 OF 3
SHEET 5 OF 5

MAATIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RAIO-6	PHI	CCNF	L	CEL1	CEL2	CEL3	CEL4	TRANSITION	
7	1.35	0.80	1.3	C.C. B100F1A	C.C.	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	LN	CLM	LY	CLN	CLL	CA	CAB	CAF	XCP
165	57.83	0.04	14.3192	-5.3538	1.0295	2.6772	0.0458	-0.4241	0.5443	-0.9684	-0.3739
166	57.87	0.04	14.1042	-5.4662	1.0135	2.7117	0.0451	-0.4139	0.5441	-0.9560	-0.3813
167	57.88	0.04	14.1570	-5.2637	0.9445	2.6477	0.0457	-0.4125	0.5430	-0.9575	-0.3708

PAGE 2 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART WACH RX10-6			PHI CNF1		C		DEL1 DEL2		DEL3 DEL4		TRANSITION	
7 155 0.00 1.7			C.C 0.10CF11		0.0		0 -20		0 -20		UNKNOWN	
PCINT	ALPHA	BETA	CNF1	CHI	C01	ALPF1	YCPF1	CNF2	CH2	C02	XCPF2	YCPF2
1	-5.69	0.01	-0.0278	-0.0005	C.CC84	0.0180	-0.0322	-0.0958	-0.0565	-0.3456	0.0812	0.4567
2	-5.70	-0.01	-0.0175	C.CC24	C.CC132	-0.1371	-0.7543	-0.7043	-0.0525	-0.3458	C.CC802	0.4567
3	-5.70	-0.01	-0.0249	C.CC005	C.CC102	-0.0201	-0.4096	-0.7128	-0.0569	-0.3532	0.0758	0.4555
4	-5.71	-0.01	-0.0234	C.CC011	C.CC104	-0.0470	-0.4444	-0.7043	-0.0568	-0.3484	C.CC806	0.4547
5	-5.70	-0.01	-0.0150	C.CC021	C.CC125	-0.1105	-0.6474	-0.6476	-0.0565	-0.3444	C.CC810	0.4537
6	-5.70	-0.01	-0.0262	C.CC002	C.CC080	-0.0076	-0.3053	-0.6804	-0.0565	-0.3382	0.0830	0.4571
7	-5.75	-0.00	-0.0220	C.CC011	C.CC112	-0.0500	-0.5051	-0.7043	-0.0565	-0.3491	0.0802	0.4557
8	-5.82	-0.01	-0.0150	C.CC015	C.CC123	-0.1100	-0.6474	-0.7094	-0.0565	-0.3516	0.0756	0.4556
9	-5.88	-0.01	-0.0218	C.CC011	C.CC055	-0.0504	-0.4541	-0.7095	-0.0560	-0.3515	0.0789	0.4554
10	-4.18	-0.00	-0.0115	C.CC034	C.CC115	-0.1542	-0.6800	-0.7234	-0.0526	-0.3544	0.0730	0.4568
11	-2.44	-0.00	-0.0217	C.CC018	C.CC080	-0.0229	-0.3963	-0.8320	-0.0624	-0.4066	0.0750	0.4587
12	-0.69	-0.00	-0.0187	C.CC024	C.CC057	-0.1263	-0.5187	-0.7027	-0.0641	-0.3835	0.1102	0.5033
13	1.06	-0.00	-0.0140	C.CC037	C.CC090	-0.2642	-0.6429	-0.6399	-0.0802	-0.3316	0.1253	0.5182
14	2.08	0.01	-0.0154	C.CC026	C.CC087	-0.1608	-0.5049	-0.5162	-0.0803	-0.2884	0.1555	0.5587
15	4.38	0.01	-0.0052	C.CC024	C.CC054	-0.2608	-1.0217	-0.4203	-0.0769	-0.2362	0.1603	0.5588
16	6.34	0.00	-0.0040	C.CC026	C.CC050	-0.5651	-2.2040	-0.3303	-0.0862	-0.1859	0.2004	0.5628
17	8.10	0.01	-0.0050	C.CC018	C.CC133	-0.1874	-1.3854	-0.2343	-0.0520	-0.1417	0.2219	0.6048
18	9.79	0.01	-0.0113	C.CC024	C.CC038	-0.2143	-1.2212	-0.1493	-0.0553	-0.0421	0.2364	0.6165
19	11.55	0.01	-0.0054	C.CC050	C.CC154	-0.5257	-2.8518	-0.0756	-0.0207	-0.0565	0.2737	0.7474
20	13.30	0.00	-0.0154	C.CC023	C.CC087	-0.1493	-0.5049	-0.0124	-0.0032	-0.0279	0.2580	2.2500
21	15.06	0.01	-0.0152	C.CC011	C.CC075	-0.0723	-0.5197	0.0316	0.0166	-0.0056	0.5252	-0.1772
22	16.87	0.00	-0.0070	C.CC031	C.CC170	-0.4427	-2.4266	0.0637	0.0359	0.0116	0.5034	0.1821
23	18.65	-0.00	-0.0050	C.CC021	C.CC072	-0.4199	-5.4430	0.1097	0.0524	0.0367	0.4621	0.3345
24	20.41	-0.02	-0.0221	C.CC005	C.CC035	-0.0210	-0.4075	0.1442	0.0063	0.0045	0.4597	0.3775
25	22.17	-0.02	-0.0057	C.CC037	C.CC171	-0.0730	-0.3373	0.2041	0.0750	0.0089	0.3870	0.4356
26	23.95	-0.03	-0.1321	C.CC013	C.CC120	0.0503	0.0089	0.2100	0.0054	0.1066	0.3942	0.4522
27	25.72	-0.02	-0.1516	C.CC013	C.CC025	C.CC877	0.2170	0.3161	0.0669	0.1510	0.2731	0.4747
28	27.53	0.01	0.1175	C.CC025	C.CC065	C.CC210	0.0247	0.4446	0.0921	0.2623	0.2071	0.4550
29	27.87	0.01	0.1035	C.CC024	C.CC031	C.CC267	0.8029	0.4515	0.0919	0.2050	0.2035	0.4546
30	28.18	0.02	0.1551	C.CC037	C.CC136	0.2172	0.7324	0.4705	0.0918	0.2136	0.1926	0.4483
31	28.43	0.02	0.1628	C.CC035	C.CC154	C.CC2136	0.7209	0.4902	0.0523	0.2202	0.1882	0.4492
32	28.77	0.02	0.1340	C.CC027	C.CC152	0.2440	0.7051	0.4955	0.0594	0.2227	0.1824	0.4494
33	29.07	0.03	0.1422	C.CC035	C.CC156	C.CC2482	0.8003	0.4956	0.0896	0.2213	0.1807	0.4463
34	29.34	0.03	0.2075	C.CC056	C.CC1403	C.CC2207	0.7147	0.5060	0.0014	0.2203	0.1608	0.4512
35	29.62	0.03	0.1367	C.CC038	C.CC106	C.CC2638	0.7871	0.5032	0.0745	0.2278	0.1480	0.4527
36	29.92	0.03	0.1355	C.CC048	0.1072	0.3211	0.7085	0.5101	0.0743	0.2305	0.1456	0.4516
37	30.17	0.04	0.1721	C.CC025	C.CC1252	0.3073	0.7275	0.5133	0.0697	0.2330	0.1358	0.4535
38	30.43	0.03	0.1625	C.CC055	C.CC1003	0.3513	0.7745	0.5234	0.0706	0.2387	0.1352	0.4561
39	30.71	0.02	-0.0047	C.CC038	C.CC0216	-0.5514	-4.5957	0.5252	0.0734	0.2355	0.1340	0.4560
40	30.90	0.02	-0.0550	C.CC046	C.CC113	-0.4423	0.0234	0.5215	0.0730	0.2379	0.1395	0.4562
41	31.26	0.02	-0.0517	C.CC022	C.CC042	-0.5453	-0.0312	0.5354	0.0702	0.2473	0.1311	0.4614
42	31.52	0.02	-0.0723	C.CC040	-0.0072	-0.3319	0.0996	0.5424	0.0702	0.2492	0.1254	0.4594
43	31.78	0.02	-0.1224	C.CC080	-0.0350	-0.1372	0.2908	0.5420	0.0727	0.2514	0.1341	0.4638
44	32.05	0.02	-0.1514	C.CC101	-0.0545	-0.0067	0.3026	0.5594	0.0718	0.2590	0.1283	0.4630
45	32.29	0.04	-0.0886	C.CC048	-0.0062	-0.5208	0.0728	0.5593	0.0719	0.2550	0.1285	0.4631
46	32.51	0.03	-0.0572	C.CC050	-0.0031	-0.5069	0.0047	0.5767	0.0708	0.2668	0.1227	0.4623

PAGE 2 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH REXIC=6			PHI	CNFI	L	DEL1	DEL2	CEL3	CEL4	TRANSITION		
7 1.5 J.00 1.7			0.0	0.0	0.0	0	-20	0	-20	UNKNOWN		
FLINT	ALPHA	BETA	CNFI	CHI	COL	XCPI1	YCPI1	CNFI2	CHI2	COL2	XCPI2	YCPI2
47	32.82	0.04	-0.0422	0.0325	0.0016	-0.7899	-0.0375	0.5813	0.0710	0.2868	0.1221	0.4550
48	33.06	0.04	-0.0335	0.0337	0.0061	-1.0057	-0.2418	0.5883	0.0700	0.2714	0.1190	0.4613
49	33.33	0.05	-0.0444	0.0366	0.0035	-0.6286	-0.0876	0.5936	0.0667	0.2732	0.1157	0.4602
50	33.57	0.05	-0.0334	0.0358	0.0001	-0.6702	-0.0019	0.5953	0.0699	0.2734	0.1174	0.4593
51	33.81	0.06	-0.0475	0.0444	0.0116	-0.6345	-0.2484	0.6045	0.0710	0.2782	0.1173	0.4594
52	34.07	0.05	-0.0349	0.0332	-0.0016	-0.6342	0.0267	0.6068	0.0697	0.2803	0.1146	0.4615
53	34.32	0.06	-0.0353	0.0460	0.0146	-1.3594	-0.4193	0.6136	0.0697	0.2851	0.1136	0.4646
54	34.55	0.07	-0.0135	0.0578	0.0414	4.2055	3.0067	0.6218	0.0693	0.2876	0.1114	0.4625
55	34.80	0.07	-0.0355	0.0611	0.0545	1.9766	1.7037	0.6352	0.0727	0.2965	0.1144	0.4668
56	35.04	0.07	-0.0255	0.0602	0.0336	2.0401	1.8169	0.6390	0.0706	0.2960	0.1108	0.4632
57	35.27	0.06	-0.0255	0.0575	0.0482	2.2700	1.8902	0.6355	0.0698	0.2964	0.1098	0.4664
58	35.51	0.07	-0.0267	0.0554	0.0461	2.0691	1.8760	0.6436	0.0704	0.3010	0.1054	0.4677
59	35.74	0.07	-0.0256	0.0530	0.0375	2.0696	1.8646	0.6476	0.0668	0.3012	0.1031	0.4651
60	35.97	0.05	-0.0553	0.0532	0.0507	0.6509	0.8550	0.6421	0.0639	0.2997	0.0955	0.4667
61	36.20	0.05	-0.0520	0.0641	0.0683	0.4216	0.5809	0.6461	0.0605	0.2952	0.0936	0.4631
62	36.44	0.06	-0.1352	0.0628	0.0616	0.4644	0.6035	0.6460	0.0605	0.2949	0.0936	0.4642
63	36.67	0.05	-0.0500	0.0603	0.0582	0.3173	0.5166	0.6647	0.0606	0.3040	0.0911	0.4645
64	36.89	0.06	-0.1452	0.0563	0.0773	0.3500	0.5161	0.6767	0.0628	0.3145	0.0928	0.4653
65	37.13	0.05	-0.1127	0.0547	0.0621	0.4652	0.5510	0.6769	0.0629	0.3141	0.0932	0.4654
66	37.36	0.05	-0.0910	0.0457	0.0521	1.2114	0.7024	0.6766	0.0634	0.3150	0.0937	0.4656
67	37.60	0.06	-0.0562	0.0267	-0.0324	-0.2651	0.3266	0.6755	0.0667	0.3182	0.1011	0.4683
68	37.83	0.06	-0.1244	0.0134	-0.0407	-0.1073	0.3255	0.6964	0.0702	0.3265	0.1008	0.4668
69	38.05	0.06	-0.1551	0.0065	-0.0606	-0.0408	0.3321	0.6925	0.0652	0.3262	0.0958	0.4708
70	38.29	0.06	-0.1771	-0.0063	-0.0647	0.0356	0.3653	0.7066	0.0716	0.3330	0.1013	0.4713
71	38.51	0.04	-0.2043	-0.0235	-0.0736	0.1150	0.3603	0.7219	0.0739	0.3377	0.1023	0.4678
72	38.72	0.06	-0.2101	-0.0253	-0.0761	0.1354	0.3622	0.7287	0.0751	0.3426	0.1030	0.4702
73	38.94	0.07	-0.1830	-0.0256	-0.0596	0.1628	0.3257	0.7426	0.0758	0.3494	0.1020	0.4705
74	39.17	0.07	-0.1940	-0.0332	-0.0607	0.1706	0.3530	0.7566	0.0755	0.3533	0.0957	0.4668
75	39.36	0.07	-0.2028	-0.0413	-0.0706	0.2036	0.3461	0.7775	0.0766	0.3598	0.0985	0.4628
76	39.58	0.07	-0.1860	-0.0343	-0.0634	0.1844	0.3516	0.7811	0.0760	0.3622	0.0973	0.4637
77	39.78	0.07	-0.1716	-0.0301	-0.0530	0.1754	0.3089	0.7810	0.0769	0.3608	0.0984	0.4620
78	39.98	0.06	-0.1620	-0.0347	-0.0526	0.2141	0.3247	0.7906	0.0757	0.3685	0.0948	0.4614
79	40.18	0.06	-0.1311	-0.0143	-0.0368	0.1090	0.2807	0.7936	0.0739	0.3645	0.0931	0.4553
80	40.40	0.05	-0.0366	0.0125	0.0133	0.3414	-0.3634	0.7937	0.0742	0.3610	0.0945	0.4548
81	40.58	0.07	-0.0840	-0.0003	-0.0073	0.0037	0.0850	0.8007	0.0734	0.3672	0.0916	0.4588
82	40.80	0.06	-0.0564	0.0155	0.0031	-0.2722	-0.0531	0.7886	0.0721	0.3568	0.0914	0.4524
83	40.99	0.06	-0.0477	0.0165	0.0078	-0.3542	-0.1635	0.7850	0.0723	0.3551	0.0921	0.4524
84	41.19	0.06	-0.0516	0.0120	-0.0106	-0.1310	0.1834	0.7814	0.0733	0.3520	0.0938	0.4505
85	41.36	0.07	-0.0505	0.0087	0.0087	-0.1722	-0.1723	0.8009	0.0723	0.3614	0.0905	0.4512
86	41.50	0.06	-0.0444	0.0052	0.0122	-0.2072	-0.2746	0.8132	0.0736	0.3653	0.0907	0.4492
87	41.79	0.07	-0.0171	0.0122	0.0272	-0.7133	-1.5906	0.8255	0.0738	0.3720	0.0894	0.4506
88	41.96	0.07	-0.0302	0.0045	0.0181	-0.1490	-0.5993	0.8378	0.0750	0.3759	0.0895	0.4487
89	42.15	0.06	-0.0344	0.0018	0.0033	-0.0331	-0.1011	0.8291	0.0738	0.3709	0.0890	0.4474
90	42.34	0.07	-0.0424	0.0012	0.0150	-0.0203	-0.3538	0.8449	0.0742	0.3787	0.0878	0.4482
91	42.52	0.07	-0.0421	0.0023	0.0117	-0.0546	-0.2779	0.8414	0.0751	0.3742	0.0852	0.4447
92	42.68	0.08	-0.0351	0.0017	0.0123	-0.0476	-0.3445	0.8520	0.0744	0.3800	0.0873	0.4460

PAGE 2 OF 3
SHEET 3 OF 5

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH FXID-6			PHI	CONF	CEL1	CEL2	CEL3	CEL4	TRANSITION			
7 155 0.60 1.7			0.0	8100F11	0.0	0	-20	0	-20 UNKNOWN			
FLINT	ALPHA	BETA	CNF1	CH1	CB1	XLCPF1	YCPF1	CNF2	CH2	CB2	XLCPF2	YCPF2
93	42.88	0.08	-0.0325	-0.0035	0.0162	0.1077	-0.4985	0.8078	0.0738	0.3884	0.0850	0.4478
94	43.07	0.08	-0.0572	-0.0051	0.0085	0.0091	-0.1486	0.8825	0.0736	0.3045	0.0853	0.4458
95	43.26	0.08	-0.0417	-0.0050	0.0130	0.1199	-0.3201	0.8870	0.0746	0.3536	0.0841	0.4437
96	43.41	0.08	-0.0282	-0.0040	0.0215	0.1418	-0.1755	0.8941	0.0741	0.3570	0.0825	0.4440
97	43.62	0.08	-0.0507	-0.0101	0.0114	0.1562	-0.2249	0.8924	0.0726	0.3547	0.0813	0.4423
98	43.74	0.09	-0.0415	-0.0074	0.0147	0.1703	-0.3342	0.9027	0.0728	0.3499	0.0806	0.4430
99	43.97	0.08	-0.0256	-0.0056	0.0210	0.1955	-0.7247	0.9149	0.0734	0.4044	0.0802	0.4420
100	44.16	0.08	-0.0645	-0.0122	0.0065	0.1897	-0.0080	0.8974	0.0736	0.3575	0.0820	0.4427
101	44.34	0.08	-0.0256	-0.0050	0.0271	0.1172	-1.0586	0.9079	0.0733	0.4017	0.0807	0.4424
102	44.53	0.08	-0.0210	-0.0007	0.0204	0.0333	-1.3324	0.9077	0.0733	0.4018	0.0807	0.4427
103	44.65	0.07	-0.0554	-0.0025	0.0057	0.1458	-0.0900	0.9005	0.0728	0.3549	0.0808	0.4383
104	44.80	0.07	0.0055	0.0057	0.0472	0.5750	4.7677	0.9200	0.0721	0.4044	0.0783	0.4401
105	45.07	0.07	-0.0273	-0.0018	0.0282	0.0055	-1.0549	0.9078	0.0706	0.3996	0.0777	0.4402
106	45.23	0.07	-0.0333	-0.0025	0.0201	0.0751	-0.7830	0.9282	0.0725	0.4111	0.0781	0.4425
107	45.41	0.07	-0.0255	-0.0005	0.0298	0.0116	-1.1530	0.9160	0.0717	0.4047	0.0781	0.4408
108	45.55	0.07	0.0256	0.0133	0.0577	0.5194	2.2534	0.9206	0.0694	0.4097	0.0753	0.4412
109	45.70	0.07	0.0005	0.0077	0.0442	15.3559	86.4000	0.9266	0.0707	0.4068	0.0763	0.4390
110	45.95	0.08	0.0255	0.0155	0.0567	0.5183	1.5000	0.9371	0.0693	0.4111	0.0735	0.4387
111	46.11	0.07	0.0456	0.0211	0.0720	0.4626	1.5789	0.9354	0.0690	0.4102	0.0737	0.4385
112	46.28	0.07	0.0051	0.0045	0.0514	1.0437	5.0483	0.9511	0.0681	0.4163	0.0716	0.4377
113	46.48	0.07	0.0055	0.0101	0.0504	1.7114	8.5424	0.9424	0.0679	0.4108	0.0720	0.4355
114	46.65	0.06	-0.0176	0.0051	0.0392	-0.2004	-2.2022	0.9561	0.0679	0.4195	0.0710	0.4388
115	46.80	0.08	-0.0233	0.0003	0.0347	-0.70129	-1.0693	0.9543	0.0668	0.4166	0.0700	0.4365
116	46.95	0.08	-0.0071	-0.0070	0.0147	0.0584	-0.2006	0.9610	0.0679	0.4192	0.0706	0.4362
117	47.17	0.08	-0.0007	-0.0148	0.0041	0.1707	-0.0473	0.9611	0.0673	0.4199	0.0700	0.4365
118	47.33	0.07	-0.1466	-0.0251	-0.0291	0.1609	0.1950	0.9520	0.0672	0.4137	0.0705	0.4343
119	47.45	0.06	-0.1768	-0.0333	-0.0473	0.1802	0.2045	0.9525	0.0665	0.4144	0.0698	0.4351
120	47.67	0.06	-0.1276	-0.0305	-0.0512	0.1945	0.2124	0.9578	0.0660	0.4155	0.0685	0.4338
121	47.84	0.06	-0.2118	-0.0442	-0.0653	0.2006	0.3083	0.9592	0.0655	0.4156	0.0683	0.4333
122	48.01	0.05	-0.2115	-0.0401	-0.0708	0.2110	0.3258	0.9507	0.0652	0.4121	0.0686	0.4335
123	48.16	0.06	-0.2571	-0.0551	-0.0894	0.2143	0.3477	0.9576	0.0652	0.4148	0.0681	0.4332
124	48.33	0.05	-0.2521	-0.0574	-0.0904	0.2270	0.3586	0.9714	0.0645	0.4180	0.0668	0.4303
125	48.51	0.05	-0.2400	-0.0574	-0.0864	0.2333	0.3593	0.9747	0.0645	0.4224	0.0666	0.4334
126	48.68	0.04	-0.2504	-0.0605	-0.0916	0.2351	0.3584	0.9850	0.0653	0.4267	0.0663	0.4332
127	48.84	0.05	-0.2720	-0.0601	-0.1035	0.2425	0.3805	0.9818	0.0635	0.4243	0.0647	0.4322
128	49.01	0.04	-0.2117	-0.0600	-0.1002	0.2451	0.3904	0.9807	0.0634	0.4262	0.0641	0.4311
129	49.20	0.03	-0.2642	-0.0713	-0.1078	0.2698	0.4060	0.9970	0.0622	0.4302	0.0624	0.4315
130	49.36	0.01	-0.2552	-0.0702	-0.1047	0.2750	0.4103	1.0003	0.0626	0.4333	0.0626	0.4332
131	49.51	0.01	-0.2208	-0.0647	-0.0924	0.2929	0.4185	1.0073	0.0620	0.4325	0.0615	0.4294
132	49.68	0.01	-0.1787	-0.0606	-0.0770	0.3502	0.4309	1.0245	0.0610	0.4407	0.0595	0.4302
133	49.87	0.01	-0.2453	-0.0670	-0.1031	0.2711	0.4136	1.0106	0.0629	0.4355	0.0622	0.4305
134	50.04	0.01	-0.2345	-0.0706	-0.0973	0.3018	0.4149	0.9940	0.0637	0.4258	0.0611	0.4284
135	50.23	0.01	-0.2251	-0.0706	-0.0970	0.3130	0.4309	1.0163	0.0602	0.4366	0.0592	0.4296
136	50.37	0.01	-0.2076	-0.0625	-0.0890	0.3010	0.4316	0.9957	0.0604	0.4280	0.0606	0.4298
137	50.56	0.03	-0.2427	-0.0544	-0.0911	0.2241	0.3754	0.9493	0.0628	0.4057	0.0601	0.4274
138	50.74	0.03	-0.1715	-0.0410	-0.0500	0.2414	0.3304	0.9048	0.0650	0.4259	0.0606	0.4325

PAGE 2 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIS-E PH C CNCF C CEL1 CEL2 CEL3 CEL4 TRANSITION												
7	135	0.80	1.7	0.0	BLNCF1	0.6	0	-20	0	-20	UNKNOWN	
PLANT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
139	50.89	0.05	-0.2016	-0.00484	-0.00721	0.2400	0.3576	0.9801	0.0643	0.4199	0.0656	0.4284
140	51.00	0.05	-0.1770	-0.00455	-0.00612	0.2558	0.3442	1.0075	0.0646	0.4326	0.0643	0.4294
141	51.24	0.05	-0.1837	-0.00453	-0.00645	0.2405	0.3511	1.0127	0.0639	0.4350	0.0631	0.4295
142	51.34	0.05	-0.1843	-0.00451	-0.00490	0.2310	0.2982	1.0198	0.0647	0.4370	0.0634	0.4283
143	51.58	0.05	-0.1577	-0.00410	-0.00453	0.2559	0.3126	1.0403	0.0654	0.4470	0.0628	0.4257
144	51.75	0.00	-0.1334	-0.00441	-0.00597	0.2407	0.3259	1.0368	0.0646	0.4440	0.0622	0.4282
145	51.91	0.08	-0.1655	-0.00413	-0.00533	0.2430	0.3137	1.0367	0.0642	0.4461	0.0618	0.4295
146	52.07	0.06	-0.1462	-0.00450	-0.00600	0.2392	0.3470	1.0577	0.0632	0.4553	0.0597	0.4305
147	52.23	0.06	-0.1725	-0.00435	-0.00506	0.2515	0.3274	1.0529	0.0642	0.4515	0.0610	0.4288
148	52.41	0.07	-0.2005	-0.00500	-0.00705	0.2520	0.3505	1.0737	0.0620	0.4607	0.0583	0.4291
149	52.58	0.07	-0.1982	-0.00615	-0.00761	0.3122	0.3840	1.0797	0.0552	0.4611	0.0548	0.4271
150	52.75	0.05	-0.1523	-0.00554	-0.00735	0.3088	0.3843	1.0679	0.0565	0.4552	0.0533	0.4263
151	52.91	0.09	-0.1711	-0.00563	-0.00755	0.3406	0.3826	1.0627	0.0563	0.4534	0.0530	0.4266
152	53.08	0.05	-0.1800	-0.00550	-0.00555	0.3312	0.3800	1.0603	0.0560	0.4560	0.0524	0.4274
153	53.26	0.10	-0.1266	-0.00504	-0.00456	0.3560	0.3618	1.0358	0.0538	0.4375	0.0515	0.4228
154	53.34	0.10	-0.0800	-0.00375	-0.00302	0.4300	0.3432	1.0160	0.0542	0.4362	0.0532	0.4223
155	53.55	0.10	-0.0055	-0.00342	-0.00167	0.5269	0.2534	1.0256	0.0530	0.4350	0.0517	0.4220
156	53.71	0.05	-0.0700	-0.00351	-0.00254	0.4573	0.3140	1.0295	0.0525	0.4373	0.0510	0.4248
157	53.87	0.08	-0.0825	-0.00365	-0.00303	0.4570	0.3829	0.9964	0.0517	0.4235	0.0516	0.4242
158	54.03	0.05	-0.0207	-0.00100	-0.00077	0.8017	0.3720	0.9917	0.0520	0.4174	0.0532	0.4206
159	54.10	0.08	-0.0200	-0.00170	0.00090	0.8171	0.2437	0.9534	0.0523	0.4156	0.0526	0.4224
160	54.34	0.04	-0.0002	-0.00060	-0.00100	1.5400	-2.7097	0.9762	0.0520	0.4146	0.0541	0.4227
161	54.50	0.05	-0.0090	-0.00076	-0.00167	0.7915	-1.7396	0.9746	0.0515	0.4116	0.0528	0.4222
162	54.66	0.07	0.0181	0.00015	0.00040	0.8029	2.0110	0.9704	0.0524	0.4133	0.0535	0.4224
163	54.81	0.05	-0.0004	0.00015	0.00025	-3.7693	-72.2500	0.9626	0.0524	0.4078	0.0544	0.4238
164	54.90	0.06	-0.0054	0.00015	0.00035	-0.2777	-5.0401	0.9468	0.0520	0.3955	0.0558	0.4219
165	55.11	0.07	-0.0057	0.00002	0.00026	0.0206	-2.7320	0.9680	0.0522	0.4117	0.0535	0.4253
166	55.33	0.06	-0.0155	0.00053	0.00312	-0.3410	-2.0129	0.9556	0.0525	0.4065	0.0549	0.4254
167	55.50	0.07	-0.0226	0.00027	0.00227	0.1144	-0.9619	0.9594	0.0521	0.4081	0.0543	0.4254
168	55.66	0.07	-0.0073	0.00030	0.00040	0.1049	-0.9070	0.9734	0.0521	0.4142	0.0535	0.4253
169	55.81	0.05	-0.0230	0.00010	0.00088	-0.0782	-1.2522	0.9735	0.0518	0.4135	0.0532	0.4248
170	55.96	0.06	-0.0304	0.00027	0.00040	0.0800	-0.8158	0.9649	0.0521	0.4052	0.0540	0.4241
171	56.13	0.08	-0.0281	0.00030	0.00091	-0.1007	-1.0355	0.9608	0.0527	0.4107	0.0546	0.4257
172	56.24	0.07	-0.0140	0.00072	0.00035	-0.4530	-2.0006	0.9788	0.0518	0.4189	0.0529	0.4280
173	56.44	0.07	-0.0262	0.00022	0.00278	-0.0839	-1.0011	0.9773	0.0512	0.4152	0.0524	0.4268
174	56.55	0.05	-0.0347	0.00002	0.00003	-0.1044	-0.0970	0.9543	0.0524	0.4034	0.0545	0.4227
175	56.75	0.06	-0.0335	0.00020	0.00024	-0.0590	-0.7139	0.9789	0.0520	0.4175	0.0531	0.4263
176	56.90	0.05	-0.0173	0.00058	0.00020	-0.3302	-1.8344	0.9825	0.0510	0.4151	0.0519	0.4266
177	57.04	0.05	-0.0327	0.00057	0.00054	-0.1743	-0.7768	0.9668	0.0511	0.4087	0.0528	0.4227
178	57.18	0.04	-0.0177	0.00072	0.00040	-0.4001	-1.9001	0.9790	0.0507	0.4174	0.0518	0.4264
179	57.33	0.04	-0.0410	0.00005	0.00026	-0.0120	-0.5607	0.9881	0.0512	0.4203	0.0518	0.4254
180	57.44	0.05	-0.0253	0.00058	0.00011	-0.2292	-1.2292	0.9805	0.0507	0.4157	0.0517	0.4275
181	57.62	0.04	-0.0331	0.00042	0.00055	-0.1269	-0.8912	0.9810	0.0501	0.4150	0.0511	0.4277
182	57.77	0.05	-0.0337	0.00013	0.00040	-0.0300	-0.7122	0.9934	0.0501	0.4242	0.0504	0.4270
183	57.83	0.05	-0.0266	0.00045	0.00055	-0.1651	-1.1090	1.0147	0.0491	0.4323	0.0486	0.4280
184	57.87	0.04	-0.0237	0.00048	0.00015	-0.2025	-1.3400	0.9917	0.0499	0.4233	0.0503	0.4268

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 5 OF 5

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART NAME: XTC-6												
1 1.5 U.C. 1.7												
PHI CCF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
0.0 0.16 CFI 0.0 0 -20 0 -20 UNKNOWN												
PLANT	ALPHA	BETA	CNF1	CHI	COL	XCFF1	YCFF1	CNF2	CHI2	COL2	XCFF2	YCFF2
185	57.66	0.04	-0.0250	0.0035	0.0302	-0.1400	-1.2060	1.0040	0.0504	0.4265	0.0502	0.4248
186	57.67	0.04	-0.0346	0.0081	0.0245	-0.0500	-0.1524	1.0073	0.0495	0.4267	0.0491	0.4236
187	57.68	0.04	-0.0373	0.0027	0.0253	-0.0724	-0.0783	0.9945	0.0501	0.4250	0.0506	0.4273

PAGE 3 OF 3
SHEET 1 OF 3

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	AXIC-E	PHI	CENF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	135	0.00	1.7	0.0	0.0	0	-20	0	-20	UNKNOWN		
PCAT	ALPHA	BETA	CNF3	CM3	Co3	YCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4
1	-5.69	0.01	0.0004	5.9999	0.0093	5.9999	-23.2500	-0.7469	-0.0573	-0.3248	0.0767	0.4349
2	-5.70	0.01	0.0074	5.9999	0.0116	5.9999	1.5946	-0.7468	-0.0576	-0.3261	0.0771	0.4367
3	-5.70	0.01	0.0055	5.9999	0.0110	5.9999	1.8644	-0.7414	-0.0576	-0.3225	0.0779	0.4350
4	-5.71	0.01	0.0027	5.9999	0.0066	5.9999	3.5555	-0.7592	-0.0586	-0.3310	0.0764	0.4360
5	-5.70	0.01	0.0012	5.9999	0.0088	5.9999	7.3333	-0.7593	-0.0577	-0.3323	0.0760	0.4376
6	-5.70	0.01	0.0013	5.9999	0.0055	5.9999	-2.8947	-0.7646	-0.0577	-0.3347	0.0754	0.4377
7	-5.75	0.00	0.0043	5.9999	0.0103	5.9999	2.3953	-0.7503	-0.0576	-0.3277	0.0770	0.4368
8	-5.82	0.01	0.0050	5.9999	0.0115	5.9999	1.3222	-0.7416	-0.0573	-0.3224	0.0772	0.4347
9	-5.88	0.01	0.0055	5.9999	0.0058	5.9999	1.6610	-0.7505	-0.0573	-0.3257	0.0763	0.4340
10	-4.18	0.00	0.0051	5.9999	0.0101	5.9999	1.1099	-0.7667	-0.0555	-0.3454	0.0704	0.4379
11	-2.44	0.00	0.0185	5.9999	0.0135	5.9999	0.7514	-0.8100	-0.0504	-0.3457	0.0622	0.4268
12	-0.89	0.00	0.0055	5.9999	0.0110	5.9999	1.8644	-0.8369	-0.0785	-0.3605	0.0938	0.4312
13	1.06	0.00	0.0120	5.9999	0.0155	5.9999	1.3250	-0.0993	-0.0797	-0.3068	0.1139	0.4387
14	2.88	0.01	0.0120	5.9999	0.0165	5.9999	1.3750	-0.0861	-0.0821	-0.2572	0.1400	0.4380
15	4.58	0.01	0.0085	5.9999	0.0150	5.9999	1.6854	-0.0939	-0.0854	-0.2119	0.1627	0.4290
16	6.39	0.00	0.0056	5.9999	0.0160	5.9999	2.8571	-0.3867	-0.0668	-0.1635	0.1727	0.4228
17	8.10	0.01	0.0056	5.9999	0.0175	5.9999	3.7964	-0.2921	-0.0522	-0.1146	0.1787	0.3923
18	9.79	0.01	0.0040	5.9999	0.0171	5.9999	4.2750	-0.1948	-0.0357	-0.0666	0.1832	0.3522
19	11.59	0.01	0.0007	5.9999	0.0143	5.9999	-20.4286	-0.1082	-0.0196	-0.0346	0.1811	0.3158
20	13.30	0.00	0.0050	5.9999	0.0125	5.9999	1.3865	-0.0474	-0.0012	-0.0082	0.0253	0.1730
21	15.06	0.01	0.0048	5.9999	0.0066	5.9999	0.3582	0.0036	0.0196	0.0138	0.4430	0.3833
22	16.87	0.00	0.0031	5.9999	0.0101	5.9999	0.3051	0.0638	0.0441	0.0336	0.6910	0.5580
23	18.65	0.00	0.0044	5.9999	0.0075	5.9999	0.2782	0.1532	0.0669	0.0695	0.4366	0.4563
24	20.41	0.00	0.0023	5.9999	0.0031	5.9999	0.1297	0.2474	0.0824	0.1196	0.3330	0.4834
25	22.17	0.00	0.0023	5.9999	0.0024	5.9999	0.1076	0.3182	0.0841	0.1513	0.2642	0.4755
26	23.95	0.00	0.0114	5.9999	0.0047	5.9999	-0.4123	0.4167	0.0876	0.1973	0.2102	0.4735
27	25.72	0.00	0.0112	5.9999	0.0037	5.9999	-0.2284	0.4365	0.0899	0.2105	0.2059	0.4822
28	27.53	0.01	0.0413	5.9999	0.0083	5.9999	0.2010	0.4355	0.0927	0.2148	0.2128	0.4932
29	27.87	0.01	0.0444	5.9999	0.0058	5.9999	0.2207	0.4342	0.0916	0.2165	0.2105	0.4986
30	28.13	0.02	0.0039	5.9999	0.0145	5.9999	0.2164	0.4385	0.0922	0.2212	0.2102	0.5044
31	28.43	0.02	0.0044	5.9999	0.0075	5.9999	0.1771	0.4364	0.0928	0.2226	0.2116	0.5078
32	28.77	0.02	0.0077	5.9999	0.0107	5.9999	0.2243	0.4455	0.0836	0.2267	0.1876	0.5134
33	29.07	0.03	0.0055	5.9999	0.0144	5.9999	0.2595	0.4434	0.0797	0.2314	0.1797	0.5216
34	29.34	0.03	0.0057	5.9999	0.0152	5.9999	0.2657	0.4508	0.0848	0.2366	0.1856	0.5180
35	29.62	0.03	0.0055	5.9999	0.0125	5.9999	0.2457	0.4755	0.0722	0.2472	0.1517	0.5154
36	29.92	0.03	0.0044	5.9999	0.0058	5.9999	0.2197	0.4884	0.0711	0.2540	0.1454	0.5195
37	30.17	0.04	0.0044	5.9999	0.0033	5.9999	0.2592	0.5010	0.0703	0.2605	0.1403	0.5200
38	30.43	0.04	0.0077	5.9999	0.0138	5.9999	0.2893	0.5158	0.0693	0.2681	0.1343	0.5198
39	30.71	0.02	0.0035	5.9999	0.0070	5.9999	0.2090	0.5451	0.0829	0.2808	0.1154	0.5151
40	30.98	0.02	0.0041	5.9999	0.0102	5.9999	0.2456	0.5619	0.0814	0.2898	0.1092	0.5157
41	31.26	0.02	0.0051	5.9999	0.0072	5.9999	0.2051	0.5707	0.0820	0.2545	0.1086	0.5160
42	31.52	0.02	0.0041	5.9999	0.0085	5.9999	0.2145	0.5827	0.0836	0.3023	0.1691	0.5188
43	31.78	0.02	0.0044	5.9999	0.0111	5.9999	0.2489	0.5960	0.0816	0.3083	0.1033	0.5173
44	32.05	0.02	0.0047	5.9999	0.0104	5.9999	0.2327	0.5598	0.0812	0.3126	0.1020	0.5212
45	32.29	0.04	0.0042	5.9999	0.0112	5.9999	0.2424	0.6108	0.0838	0.3186	0.0995	0.5216
46	32.57	0.03	0.0046	5.9999	0.0071	5.9999	0.1707	0.6135	0.0831	0.3191	0.1028	0.5201

PAGE 3 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RX10-6		PHI CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 1:5 C-6C 1.7		0.0 0.0011		C.C		0	-20	0	-20	UNKNOWN		
FCINT	ALPHA	BETA	CNF2	CH3	CB3	XCMPF3	YCPF3	CNF4	CH4	CB4	XCMPF4	YCPF4
47	32.82	0.04	0.0375	5.5555	0.0042	5.5559	0.1135	0.6041	0.0626	0.3162	0.1039	0.5234
48	33.06	0.04	0.0028	5.5555	0.0170	5.5559	0.2005	0.6251	0.0645	0.3273	0.1032	0.5234
49	33.33	0.05	0.0045	5.5555	0.0073	5.5559	0.1626	0.6224	0.0623	0.3282	0.1001	0.5273
50	33.57	0.05	0.0016	5.5559	0.0161	5.5555	0.2205	0.6201	0.0621	0.3324	0.0952	0.5309
51	33.81	0.06	0.0526	5.5555	0.0105	5.5559	0.1985	0.6352	0.0604	0.3361	0.0951	0.5251
52	34.07	0.05	0.0041	5.5555	0.0101	5.5559	0.2100	0.6367	0.0612	0.3390	0.0961	0.5324
53	34.32	0.06	0.0345	5.5555	0.0112	5.5559	0.2055	0.6458	0.0614	0.3450	0.0951	0.5342
54	34.55	0.07	0.0041	5.5555	0.0171	5.5559	0.2068	0.6406	0.0622	0.3484	0.0961	0.5387
55	34.80	0.07	0.0041	5.5555	0.0171	5.5559	0.2068	0.6406	0.0622	0.3484	0.0961	0.5387
56	35.04	0.07	0.0553	5.5555	0.0161	5.5559	0.2715	0.6433	0.0622	0.3495	0.0967	0.5433
57	35.27	0.06	0.0704	5.5555	0.0214	5.5555	0.3340	0.6519	0.0634	0.3536	0.0972	0.5424
58	35.51	0.07	0.0042	5.5555	0.0171	5.5559	0.2064	0.6448	0.0617	0.3515	0.0957	0.5451
59	35.74	0.07	0.0026	5.5555	0.0176	5.5559	0.2617	0.6543	0.0652	0.3560	0.0996	0.5441
60	35.97	0.05	0.0075	5.5555	0.0194	5.5559	0.2948	0.6594	0.0647	0.3569	0.0981	0.5412
61	36.20	0.05	0.0055	5.5555	0.0162	5.5559	0.2914	0.6606	0.0665	0.3565	0.1006	0.5397
62	36.44	0.06	0.0737	5.5555	0.0246	5.5559	0.3305	0.6678	0.0660	0.3557	0.0996	0.5386
63	36.67	0.05	0.0015	5.5555	0.0207	5.5559	0.3504	0.6668	0.0680	0.3597	0.1020	0.5354
64	36.89	0.06	0.0076	5.5555	0.0200	5.5559	0.2954	0.6671	0.0674	0.3603	0.1010	0.5401
65	37.13	0.05	0.0056	5.5555	0.0174	5.5559	0.2919	0.6713	0.0658	0.3632	0.0980	0.5410
66	37.36	0.05	0.0027	5.5555	0.0156	5.5559	0.3126	0.6755	0.0644	0.3646	0.0953	0.5357
67	37.60	0.06	0.0043	5.5555	0.0203	5.5559	0.3157	0.6612	0.0640	0.3636	0.0968	0.5459
68	37.83	0.06	0.0077	5.5555	0.0213	5.5559	0.3146	0.6585	0.0652	0.3641	0.0950	0.5529
69	38.05	0.06	0.0044	5.5555	0.0152	5.5559	0.2769	0.6461	0.0643	0.3604	0.0955	0.5578
70	38.29	0.06	0.0011	5.5555	0.0150	5.5559	0.2631	0.6474	0.0658	0.3614	0.1016	0.5582
71	38.51	0.07	0.0053	5.5555	0.0148	5.5559	0.2534	0.6339	0.0663	0.3556	0.1046	0.5610
72	38.74	0.06	0.0031	5.5555	0.0177	5.5559	0.2805	0.6316	0.0670	0.3569	0.1060	0.5648
73	38.94	0.07	0.0022	5.5555	0.0154	5.5559	0.2646	0.6227	0.0672	0.3542	0.1079	0.5688
74	39.17	0.07	0.0063	5.5555	0.0153	5.5559	0.2911	0.6314	0.0685	0.3584	0.1085	0.5676
75	39.36	0.07	0.0001	5.5555	0.0163	5.5559	0.2712	0.6172	0.0695	0.3520	0.1126	0.5703
76	39.58	0.07	0.0000	5.5555	0.0167	5.5559	0.2806	0.6338	0.0692	0.3606	0.1052	0.5689
77	39.78	0.07	0.0034	5.5555	0.0165	5.5559	0.2603	0.6300	0.0695	0.3570	0.1103	0.5667
78	39.98	0.08	0.0035	5.5555	0.0172	5.5559	0.2709	0.6106	0.0696	0.3525	0.1128	0.5717
79	40.18	0.08	0.0731	5.5555	0.0225	5.5559	0.3078	0.6480	0.0691	0.3663	0.1066	0.5653
80	40.40	0.08	0.0000	5.5555	0.0200	5.5559	0.3003	0.6409	0.0687	0.3630	0.1072	0.5664
81	40.58	0.07	0.0050	5.5555	0.0153	5.5559	0.2965	0.6551	0.0697	0.3683	0.1064	0.5622
82	40.80	0.06	0.0732	5.5555	0.0231	5.5559	0.3156	0.6763	0.0705	0.3789	0.1039	0.5586
83	40.99	0.06	0.0764	5.5555	0.0253	5.5559	0.3312	0.6748	0.0699	0.3758	0.1036	0.5565
84	41.19	0.06	0.0761	5.5555	0.0255	5.5559	0.3265	0.7046	0.0706	0.3696	0.1003	0.5534
85	41.38	0.07	0.0781	5.5555	0.0246	5.5559	0.3175	0.6743	0.0712	0.3759	0.1056	0.5575
86	41.58	0.06	0.0760	5.5555	0.0261	5.5559	0.3346	0.6745	0.0706	0.3745	0.1046	0.5552
87	41.79	0.07	0.0053	5.5555	0.0153	5.5559	0.2960	0.6817	0.0706	0.3702	0.1067	0.5555
88	41.96	0.07	0.0045	5.5555	0.0252	5.5559	0.3456	0.6812	0.0719	0.3703	0.1087	0.5600
89	42.15	0.06	0.0730	5.5555	0.0237	5.5559	0.3247	0.6800	0.0711	0.3654	0.1077	0.5557
90	42.34	0.07	0.0729	5.5555	0.0231	5.5559	0.3169	0.6505	0.0714	0.3687	0.1084	0.5559
91	42.52	0.07	0.0777	5.5555	0.0200	5.5559	0.3346	0.6604	0.0713	0.3682	0.1079	0.5575
92	42.68	0.08	0.0011	5.5555	0.0265	5.5559	0.3321	0.6678	0.0712	0.3728	0.1066	0.5583

PAGE 3 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART FACT RXIC-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 135 0.00 1.7				0.0	0.100F11	C.C	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CHP2	CH3	CH5	XCPF3	YCPF3	CHP4	CH4	CB4	XCPF4	YCPF4
93	42.00	0.00	0.0007	0.9999	0.0287	0.9999	0.3556	0.6625	0.0717	0.3705	0.1082	0.5592
94	43.07	0.00	0.0758	0.9999	0.0258	0.9999	0.3404	0.6721	0.0714	0.3745	0.1062	0.5572
95	43.20	0.00	0.0602	0.9999	0.0280	0.9999	0.3474	0.6731	0.0717	0.3710	0.1070	0.5538
96	43.41	0.00	0.0742	0.9999	0.0244	0.9999	0.3288	0.6611	0.0714	0.3665	0.1080	0.5550
97	43.61	0.00	0.0740	0.9999	0.0256	0.9999	0.3459	0.6708	0.0707	0.3696	0.1054	0.5510
98	43.79	0.00	0.0603	0.9999	0.0273	0.9999	0.3400	0.6706	0.0703	0.3730	0.1030	0.5503
99	43.97	0.00	0.0682	0.9999	0.0324	0.9999	0.3673	0.6769	0.0702	0.3727	0.1037	0.5506
100	44.16	0.00	0.0603	0.9999	0.0273	0.9999	0.3400	0.6640	0.0703	0.3753	0.1030	0.5487
101	44.34	0.00	0.0698	0.9999	0.0319	0.9999	0.3532	0.6876	0.0705	0.3763	0.1025	0.5473
102	44.53	0.00	0.0703	0.9999	0.0271	0.9999	0.3461	0.6844	0.0701	0.3740	0.1023	0.5461
103	44.65	0.07	0.0720	0.9999	0.0234	0.9999	0.3250	0.6553	0.0703	0.3805	0.1005	0.5441
104	44.80	0.07	0.0706	0.9999	0.0204	0.9999	0.3312	0.6637	0.0694	0.3715	0.1015	0.5440
105	45.07	0.07	0.0755	0.9999	0.0320	0.9999	0.3725	0.7056	0.0694	0.3805	0.0963	0.5398
106	45.25	0.07	0.0763	0.9999	0.0267	0.9999	0.3761	0.7090	0.0686	0.3827	0.0966	0.5407
107	45.41	0.07	0.0611	0.9999	0.0297	0.9999	0.3602	0.7145	0.0680	0.3841	0.0955	0.5373
108	45.55	0.07	0.0650	0.9999	0.0330	0.9999	0.3609	0.6900	0.0687	0.3748	0.0986	0.5379
109	45.70	0.07	0.0762	0.9999	0.0274	0.9999	0.3590	0.7011	0.0677	0.3783	0.0965	0.5356
110	45.95	0.00	0.0604	0.9999	0.0334	0.9999	0.3910	0.6953	0.0687	0.3740	0.0988	0.5379
111	46.11	0.07	0.0600	0.9999	0.0315	0.9999	0.3399	0.6867	0.0677	0.3695	0.0986	0.5387
112	46.28	0.07	0.0640	0.9999	0.0324	0.9999	0.3057	0.7141	0.0665	0.3818	0.0931	0.5347
113	46.40	0.07	0.0635	0.9999	0.0323	0.9999	0.3850	0.7120	0.0660	0.3797	0.0934	0.5328
114	46.65	0.00	0.0776	0.9999	0.0227	0.9999	0.3090	0.7125	0.0665	0.3798	0.0939	0.5331
115	46.80	0.08	0.0600	0.9999	0.0302	0.9999	0.3747	0.7218	0.0665	0.3837	0.0921	0.5316
116	46.95	0.08	0.0758	0.9999	0.0291	0.9999	0.3034	0.7253	0.0667	0.3853	0.0919	0.5312
117	47.17	0.06	0.0755	0.9999	0.0275	0.9999	0.3076	0.7301	0.0665	0.3881	0.0903	0.5272
118	47.33	0.07	0.0750	0.9999	0.0300	0.9999	0.3747	0.7521	0.0670	0.3946	0.0891	0.5247
119	47.45	0.06	0.0775	0.9999	0.0241	0.9999	0.3545	0.7453	0.0660	0.3901	0.0853	0.5236
120	47.67	0.00	0.0757	0.9999	0.0285	0.9999	0.3705	0.7406	0.0670	0.3917	0.0895	0.5231
121	47.84	0.00	0.0700	0.9999	0.0262	0.9999	0.3701	0.7506	0.0672	0.3925	0.0895	0.5229
122	48.01	0.05	0.0771	0.9999	0.0285	0.9999	0.3090	0.7501	0.0669	0.3949	0.0885	0.5223
123	48.10	0.06	0.0601	0.9999	0.0235	0.9999	0.3616	0.7668	0.0665	0.3983	0.0872	0.5194
124	48.33	0.05	0.0640	0.9999	0.0226	0.9999	0.3990	0.7667	0.0667	0.4004	0.0867	0.5209
125	48.51	0.05	0.0724	0.9999	0.0203	0.9999	0.3033	0.7755	0.0676	0.4010	0.0865	0.5171
126	48.60	0.04	0.0500	0.9999	0.0180	0.9999	0.3310	0.7740	0.0665	0.4001	0.0859	0.5166
127	48.84	0.05	0.0599	0.9999	0.0203	0.9999	0.3389	0.7903	0.0660	0.4072	0.0835	0.5152
128	49.01	0.04	0.0500	0.9999	0.0182	0.9999	0.3204	0.7938	0.0661	0.4074	0.0832	0.5132
129	49.20	0.03	0.0625	0.9999	0.0210	0.9999	0.3460	0.7924	0.0654	0.4075	0.0825	0.5148
130	49.30	0.01	0.0500	0.9999	0.0180	0.9999	0.3322	0.8000	0.0640	0.4120	0.0803	0.5117
131	49.51	0.01	0.0613	0.9999	0.0210	0.9999	0.3426	0.8048	0.0654	0.4108	0.0812	0.5104
132	49.60	0.01	0.0535	0.9999	0.0173	0.9999	0.3324	0.8031	0.0644	0.4086	0.0808	0.5088
133	49.87	0.01	0.0551	0.9999	0.0180	0.9999	0.3207	0.8139	0.0647	0.4140	0.0795	0.5087
134	50.04	0.01	0.0530	0.9999	0.0173	0.9999	0.3220	0.8032	0.0643	0.4098	0.0800	0.5102
135	50.20	0.01	0.0474	0.9999	0.0131	0.9999	0.2764	0.8016	0.0638	0.4090	0.0790	0.5102
136	50.37	0.01	0.0475	0.9999	0.0131	0.9999	0.3088	0.8006	0.0641	0.4109	0.0793	0.5082
137	50.56	0.03	0.0555	0.9999	0.0191	0.9999	0.3169	0.8058	0.0645	0.4162	0.0797	0.5147
138	50.74	0.03	0.0551	0.9999	0.0193	0.9999	0.3503	0.7903	0.0675	0.4073	0.0850	0.5102

PAGE 3 OF 3
SHEET 6 OF 5

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART PAGE			RAIO-E	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7			135	J.CC	1.7	J.CC	DIRUP11	C.C	0	-20	0	-20	UNKNOWN
FLINT	ALPHA	BETA	CONF	CH3	CH5	XCPR3	YCPR3	CAF4	CH4	CC4	ALPF4	YCPR4	
139	50.69	0.05	C.0537	S.9555	0.0186	S.9999	0.3466	0.8022	0.0665	0.4087	0.0825	0.5055	
140	51.00	0.05	C.0505	S.9555	C.0184	S.9555	0.3145	0.8039	0.0674	0.4100	0.0833	0.5065	
141	51.24	0.05	C.0565	S.9555	C.0185	S.9555	0.3322	0.8092	0.0666	0.4106	0.0823	0.5074	
142	51.39	0.05	C.0617	S.9555	0.0211	S.9555	0.3420	0.8247	0.0680	0.4178	0.0824	0.5066	
143	51.56	0.05	C.0617	S.9555	0.0211	S.9555	0.3420	0.8351	0.0686	0.4206	0.0821	0.5037	
144	51.73	0.00	0.0565	S.9555	C.0156	S.9555	0.3350	0.8394	0.0668	0.4214	0.0796	0.5020	
145	51.91	0.06	0.0622	S.9555	0.0231	S.9999	0.3655	0.8394	0.0668	0.4214	0.0796	0.5020	
146	52.07	0.06	C.0565	S.9555	C.0265	S.9555	0.3573	0.8573	0.0670	0.4307	0.0781	0.5024	
147	52.23	0.06	C.0684	S.9555	C.0255	S.9555	0.3501	0.8517	0.0671	0.4276	0.0788	0.5013	
148	52.41	0.07	C.0633	S.9555	0.0292	S.9555	0.3665	0.8702	0.0657	0.4355	0.0755	0.5005	
149	52.58	0.07	C.0666	S.9555	0.0261	S.9555	0.3619	0.8566	0.0634	0.4283	0.0740	0.5006	
150	52.75	0.09	C.0724	S.9555	0.0204	S.9999	0.3696	0.8694	0.0625	0.4352	0.0723	0.5006	
151	52.91	0.09	0.0635	S.9555	0.0232	S.9555	0.3654	0.8586	0.0625	0.4304	0.0732	0.5013	
152	53.08	0.09	J.0636	S.9555	0.0233	S.9555	0.3664	0.8459	0.0628	0.4235	0.0742	0.5006	
153	53.26	0.10	C.0620	S.9555	0.0225	S.9555	0.3629	0.8335	0.0622	0.4198	0.0746	0.5037	
154	53.39	0.10	C.0731	S.9555	0.0304	S.9555	0.4159	0.8687	0.0625	0.4216	0.0745	0.5027	
155	53.55	0.10	0.0652	S.9555	0.0253	S.9555	0.3680	0.8514	0.0628	0.4211	0.0755	0.5065	
156	53.71	0.09	C.0665	S.9555	0.0282	S.9555	0.4117	0.8385	0.0628	0.4237	0.0745	0.5053	
157	53.87	0.08	0.0716	S.9555	0.0305	S.9555	0.4316	0.8495	0.0626	0.4276	0.0737	0.5036	
158	54.03	0.05	J.0746	S.9555	0.0336	S.9555	0.4519	0.8367	0.0627	0.4255	0.0745	0.5085	
159	54.18	0.08	C.0654	S.9555	0.0267	S.9555	0.4083	0.8548	0.0628	0.4336	0.0734	0.5073	
160	54.34	0.04	C.0635	S.9555	0.0272	S.9555	0.4257	0.8531	0.0623	0.4321	0.0730	0.5065	
161	54.50	0.09	0.0640	S.9555	0.0273	S.9555	0.4266	0.8731	0.0623	0.4437	0.0713	0.5082	
162	54.66	0.07	C.0665	S.9555	0.0256	S.9555	0.4296	0.8566	0.0624	0.4365	0.0728	0.5056	
163	54.81	0.06	0.0553	S.9555	0.0251	S.9555	0.4233	0.8573	0.0605	0.4350	0.0706	0.5074	
164	54.96	0.06	J.0673	S.9555	C.0265	S.9555	0.4244	0.8535	0.0606	0.4346	0.0712	0.5054	
165	55.11	0.07	0.0563	S.9555	C.0223	S.9555	0.3761	0.8683	0.0603	0.4419	0.0694	0.5089	
166	55.33	0.06	0.0611	S.9555	0.0255	S.9555	0.4239	0.8607	0.0594	0.4514	0.0668	0.5079	
167	55.50	0.07	0.0560	S.9555	0.0231	S.9555	0.3963	0.8612	0.0600	0.4503	0.0681	0.5110	
168	55.66	0.07	0.0613	S.9555	0.0247	S.9555	0.4029	0.8779	0.0590	0.4473	0.0672	0.5095	
169	55.81	0.05	C.0556	S.9555	0.0239	S.9555	0.4010	0.8873	0.0583	0.4533	0.0657	0.5105	
170	56.00	0.06	J.0517	S.9555	C.0267	S.9555	0.4004	0.8722	0.0586	0.4470	0.0683	0.5125	
171	56.13	0.06	0.0677	S.9555	0.0257	S.9555	0.4387	0.8527	0.0586	0.4559	0.0656	0.5107	
172	56.29	0.07	C.0562	S.9555	0.0232	S.9555	0.3966	0.8964	0.0585	0.4566	0.0652	0.5096	
173	56.44	0.07	0.0625	S.9555	0.0266	S.9555	0.4261	0.8857	0.0577	0.4525	0.0651	0.5109	
174	56.59	0.05	C.0645	S.9555	0.0275	S.9555	0.4204	0.8694	0.0578	0.4555	0.0650	0.5121	
175	56.75	0.06	0.0556	S.9555	C.0235	S.9555	0.3896	0.9094	0.0582	0.4631	0.0640	0.5092	
176	56.90	0.05	C.0597	S.9555	C.0252	S.9555	0.4221	0.8673	0.0584	0.4534	0.0658	0.5110	
177	57.04	0.05	C.0614	S.9555	C.0247	S.9555	0.4023	0.8877	0.0574	0.4547	0.0646	0.5122	
178	57.18	0.04	C.0561	S.9555	C.0251	S.9555	0.4320	0.9080	0.0570	0.4625	0.0628	0.5098	
179	57.33	0.04	C.0562	S.9555	0.0245	S.9555	0.4210	0.9024	0.0574	0.4555	0.0636	0.5096	
180	57.49	0.05	C.0556	S.9555	C.0253	S.9555	0.4231	0.9171	0.0572	0.4651	0.0624	0.5071	
181	57.62	0.04	C.0614	S.9555	C.0260	S.9555	0.4235	0.9192	0.0568	0.4672	0.0618	0.5083	
182	57.77	0.05	0.0565	S.9555	0.0250	S.9555	0.4425	0.9141	0.0556	0.4646	0.0608	0.5083	
183	57.89	0.05	C.0614	S.9555	C.0273	S.9555	0.4546	0.9176	0.0561	0.4663	0.0611	0.5082	
184	57.87	0.04	0.0556	S.9555	0.0236	S.9555	0.4182	0.8993	0.0557	0.4575	0.0619	0.5087	

PAGE 3 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACF RATIO=6		PHI	CONF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	135	0.60	1.7	0.0	0.100F11	C.C	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CH3	LOS	XCPF3	YCPF3	CNF4	CP4	CB4	XCPF4	YCPF4
185	57.68	0.04	0.0534	5.9995	0.0222	5.9999	0.4157	0.3915	0.0571	0.4550	0.0040	0.5104
186	57.87	0.04	0.0044	5.9995	0.0261	5.9999	0.4245	0.4302	0.0562	0.4732	0.0004	0.5087
187	57.88	0.04	0.0545	5.9995	0.0264	5.9999	0.4437	0.6953	0.0561	0.4563	0.0026	0.5057

PAGE 1 OF 3
SHEET 1 OF 4

PANTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: RX10-6				PHI	CCNF	Y	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1 136 C-6L 1.7				0.0	0.00011	C.G.	0	-20	0	-20	UNKNOWN	
PCANT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	XCP	
1	-5.69	-0.01	-1.4966	5.2064	-0.0455	-0.0316	0.0078	0.7895	0.2675	0.5001	-3.4789	
2	-5.70	-0.02	-1.5456	5.2463	-0.1104	-0.0100	0.0012	0.7949	0.2919	0.5011	-3.3869	
3	-5.70	-0.01	-1.5535	5.2443	-0.0598	-0.0750	0.0015	0.7929	0.2919	0.5011	-3.4158	
4	-4.88	-0.02	-1.4169	5.2240	-0.0425	-0.0107	-0.0045	0.7850	0.2762	0.5008	-3.6822	
5	-3.01	-0.02	-1.3556	5.4214	-0.0285	-0.0198	0.0025	0.7405	0.2317	0.5068	-3.5675	
6	-1.29	-0.01	-1.2950	5.7224	0.0101	-0.0005	0.0030	0.6500	0.1747	0.5213	-4.4189	
7	0.52	-0.01	-1.0382	5.0145	-0.0182	-0.0078	0.0032	0.6434	0.1665	0.4765	-4.8298	
8	2.28	-0.02	-0.8310	4.8068	-0.0336	-0.0534	0.0036	0.5797	0.1403	0.4394	-5.5435	
9	4.02	-0.02	-0.5914	4.0577	-0.0445	-0.0541	0.0105	0.5276	0.1276	0.4000	-6.9287	
10	5.78	-0.02	-0.3177	3.4815	-0.0594	-0.0407	0.0108	0.4716	0.1261	0.3516	-10.9597	
11	7.60	-0.00	-0.0242	2.8058	-0.1082	-0.1545	0.0116	0.4234	0.1298	0.2937	-116.0490	
12	9.33	-0.01	0.2841	2.1578	-0.0780	-0.1925	0.0122	0.3819	0.1320	0.2493	7.5940	
13	11.14	-0.03	0.5176	1.6576	-0.0701	-0.0122	0.0125	0.3532	0.1396	0.2136	3.2027	
14	12.91	-0.02	0.8240	1.2350	-0.0253	-0.0182	0.0069	0.3104	0.1462	0.1882	1.5036	
15	14.70	-0.01	1.0755	0.8911	-0.0034	-0.0047	0.0140	0.2935	0.1556	0.1339	0.6256	
16	16.57	-0.02	1.3345	0.6175	-0.0658	-0.3885	0.0201	0.2620	0.1696	0.0930	0.4430	
17	18.41	-0.03	1.6075	0.2744	-0.1102	-0.2857	0.0215	0.2256	0.1760	0.0456	0.1626	
18	20.24	-0.04	2.0000	-0.2750	-0.3805	-0.9110	0.0266	0.1880	0.1932	-0.0040	-0.1364	
19	22.10	-0.04	2.4201	-0.6665	-0.3438	-0.9796	0.0210	0.1405	0.2026	-0.0621	-0.3580	
20	23.95	-0.06	2.8000	-1.0052	-0.6505	-1.9029	0.0189	0.1074	0.2169	-0.1096	-0.5017	
21	25.83	-0.04	3.3423	-1.7525	-0.4226	-1.2805	0.0103	0.0445	0.2206	-0.1761	-0.5243	
22	27.65	0.00	3.7400	-1.8080	0.4283	-0.6125	0.0742	-0.0074	0.2143	-0.2217	-0.5041	
23	27.52	0.01	3.7412	-1.7258	0.4501	-0.6598	0.0850	-0.0126	0.2152	-0.2278	-0.4624	
24	27.57	0.03	3.7805	-1.0270	0.3407	-0.8686	0.0939	-0.0173	0.2151	-0.2324	-0.4648	
25	28.38	0.03	3.6331	-1.6456	0.5991	-1.2643	0.1011	-0.0156	0.2159	-0.2315	-0.4815	
26	28.67	0.03	3.5514	-1.5232	0.6001	-1.2011	0.1271	-0.0300	0.2184	-0.2550	-0.4818	
27	28.54	0.03	4.0342	-1.5028	0.5185	-0.7403	0.0821	-0.0455	0.2187	-0.2642	-0.4717	
28	29.27	0.00	4.1515	-2.1252	0.4270	-0.2651	0.0750	-0.0400	0.2247	-0.2713	-0.5153	
29	29.56	0.03	4.1675	-2.0754	0.5320	-0.5555	0.0952	-0.0514	0.2239	-0.2753	-0.4565	
30	29.03	0.02	4.3000	-2.0764	0.5472	-0.2536	0.0625	-0.0784	0.2227	-0.3012	-0.4824	
31	30.10	0.03	4.3736	-2.0574	0.5416	-0.3942	0.0763	-0.0811	0.2240	-0.3052	-0.4796	
32	30.37	0.02	4.4230	-2.1355	0.4391	-0.4431	0.1024	-0.0739	0.2273	-0.3013	-0.4827	
33	30.66	0.03	4.6152	-2.1616	0.6522	-0.6249	0.1225	-0.0821	0.2343	-0.3165	-0.4684	
34	30.92	0.05	4.7854	-2.2950	0.8620	-0.7324	0.1422	-0.0836	0.2386	-0.3225	-0.4797	
35	31.21	0.05	4.8555	-2.2352	0.7186	-0.6532	0.1300	-0.0958	0.2400	-0.3359	-0.4574	
36	31.44	0.06	5.0071	-2.2027	0.7641	-0.4180	0.1230	-0.1004	0.2420	-0.3424	-0.4395	
37	31.75	0.05	5.1512	-2.5001	0.7161	-0.0077	0.1155	-0.0950	0.2373	-0.3524	-0.4853	
38	32.01	0.03	5.1047	-2.2746	0.5155	-0.0055	0.0967	-0.1003	0.2480	-0.3489	-0.4456	
39	32.28	0.05	5.2275	-2.2613	0.6077	-0.1011	0.0902	-0.1266	0.2466	-0.3752	-0.4326	
40	32.54	0.05	5.3342	-2.2815	0.7189	-0.0827	0.0970	-0.1279	0.2519	-0.3798	-0.4277	
41	32.80	0.05	5.4526	-1.8918	0.7525	-0.7772	0.1138	-0.1421	0.2433	-0.3854	-0.3670	
42	33.06	0.00	5.5164	-1.0130	0.8757	-1.1100	0.1210	-0.1493	0.2519	-0.3872	-0.3290	
43	33.31	0.03	5.6500	-1.5332	0.8005	-1.2194	0.1028	-0.1551	0.2525	-0.3876	-0.2714	
44	33.55	0.03	5.8355	-1.0147	0.8050	-1.0227	0.0896	-0.1566	0.2555	-0.3941	-0.2863	
45	33.81	0.04	5.7651	-1.4547	0.6766	-1.1761	0.1096	-0.1550	0.2551	-0.3941	-0.2523	
46	34.04	0.04	5.8044	-1.4576	0.7050	-1.1605	0.1098	-0.1634	0.2559	-0.3958	-0.2477	

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 136 C.5C 1.1			C.C	0.10CF11	C.C	0	-20	0	-20	UNKNOWN	
PLINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	34.25	0.03	5.5175	-1.3381	0.5745	-0.8532	0.0772	-0.1604	0.2375	-0.3579	-0.2261
48	34.50	0.04	5.6625	-1.1070	0.4424	-0.8241	0.0470	-0.1013	0.2300	-0.4201	-0.1559
49	34.75	0.03	5.8075	-1.1359	0.5077	-0.8859	0.1230	-0.1733	0.2404	-0.4137	-0.1872
50	35.00	0.03	5.9525	-1.0596	0.5455	-0.8005	0.1169	-0.1609	0.2371	-0.4040	-0.1734
51	35.27	0.03	6.0211	-0.9860	0.5230	-0.8046	0.0607	-0.1744	0.2371	-0.4115	-0.1578
52	35.53	0.01	6.2275	-0.9773	0.5153	-0.8033	0.0057	-0.1809	0.2370	-0.4205	-0.1544
53	35.75	0.02	6.4044	-0.9362	0.4338	-0.5807	0.0035	-0.1523	0.2371	-0.4254	-0.1462
54	35.98	0.00	6.4550	-0.8077	0.1730	-0.2125	0.0240	-0.2040	0.2362	-0.4402	-0.1335
55	36.22	0.01	6.5405	-0.8041	0.1894	-0.3002	0.0340	-0.2028	0.2367	-0.4355	-0.1225
56	36.45	0.01	6.6060	-0.7030	0.3064	-0.2000	0.0171	-0.2057	0.2375	-0.4432	-0.1145
57	36.69	-0.01	6.7115	-0.7021	0.3171	-0.3029	-0.0275	-0.2148	0.2384	-0.4532	-0.1051
58	36.94	-0.02	6.8457	-0.6361	-0.0510	0.0895	0.0040	-0.2307	0.2375	-0.4062	-0.0929
59	37.16	-0.01	6.8822	-0.6470	0.0253	0.0535	-0.0208	-0.2243	0.2367	-0.4610	-0.0940
60	37.41	0.01	6.9633	-0.5094	0.1050	0.2222	0.0169	-0.2310	0.2363	-0.4653	-0.0844
61	37.66	-0.00	7.0454	-0.5050	0.0657	0.2507	0.0107	-0.2403	0.2367	-0.4770	-0.0804
62	37.89	-0.00	7.1265	-0.6853	0.0554	0.3523	-0.0063	-0.2407	0.2364	-0.4852	-0.0962
63	38.13	0.01	7.1800	-0.5340	0.0225	0.4090	-0.0322	-0.2465	0.2413	-0.4879	-0.0744
64	38.37	0.01	7.1957	-0.5556	0.0704	0.5137	0.0100	-0.2480	0.2434	-0.4720	-0.0772
65	38.59	0.02	7.3051	-0.5321	0.1703	0.5053	0.0045	-0.2493	0.2437	-0.4931	-0.0728
66	38.80	-0.00	7.4333	-0.6005	-0.0074	0.8704	-0.0024	-0.2330	0.2532	-0.4869	-0.0640
67	39.04	-0.01	7.4800	-0.5401	-0.1444	0.9155	-0.0340	-0.2058	0.2476	-0.5137	-0.0724
68	39.20	-0.00	7.5975	-0.5401	-0.1211	1.1200	-0.0216	-0.2018	0.2557	-0.5176	-0.0711
69	39.45	-0.00	7.6725	-0.6445	-0.1609	1.4004	-0.0097	-0.2433	0.2609	-0.5043	-0.0841
70	39.68	-0.02	7.6571	-0.5923	-0.3052	1.3075	-0.0262	-0.2602	0.2597	-0.5200	-0.0777
71	39.88	-0.00	7.7501	-0.7018	-0.1752	1.5646	-0.0100	-0.2553	0.2762	-0.5336	-0.0900
72	40.00	-0.01	7.8401	-0.5525	-0.1242	1.6010	-0.0209	-0.2570	0.2704	-0.5281	-0.0704
73	40.25	-0.02	7.5512	-0.5703	-0.2450	1.7277	-0.0400	-0.2615	0.2654	-0.5270	-0.0717
74	40.50	-0.01	8.0016	-0.6054	-0.2185	1.6420	-0.0092	-0.2606	0.2662	-0.5331	-0.0762
75	40.72	-0.03	8.0319	-0.4605	-0.4455	1.6536	-0.0006	-0.2600	0.2638	-0.5439	-0.0611
76	40.94	-0.02	8.1165	-0.5711	-0.1035	1.4203	-0.0202	-0.2425	0.2662	-0.5567	-0.0703
77	41.14	-0.04	8.1504	-0.5531	-0.4700	1.3934	-0.0150	-0.3035	0.2546	-0.5587	-0.0675
78	41.42	-0.00	8.2257	-0.5207	-0.0305	1.0704	-0.0001	-0.3247	0.2507	-0.5754	-0.0643
79	41.60	-0.01	8.2645	-0.4940	-0.0260	0.8255	-0.0053	-0.3167	0.2536	-0.5703	-0.0558
80	41.79	-0.00	8.3250	-0.5714	-0.0257	0.8902	-0.0034	-0.3139	0.2552	-0.5691	-0.0666
81	42.00	-0.01	8.4506	-0.5130	-0.0534	0.8769	-0.0047	-0.3222	0.2589	-0.5811	-0.0607
82	42.18	0.01	8.5147	-0.5215	0.0900	0.5143	0.0157	-0.3471	0.2453	-0.5924	-0.0613
83	42.37	0.01	8.5762	-0.5540	0.0632	0.3852	0.0228	-0.3358	0.2490	-0.5848	-0.0646
84	42.54	0.01	8.6215	-0.6624	0.1725	-0.0003	0.0300	-0.3434	0.2420	-0.5505	-0.0768
85	42.73	-0.00	8.7159	-0.6652	0.0617	0.4761	0.0229	-0.3480	0.2527	-0.6007	-0.0783
86	42.90	0.00	8.8005	-0.6132	0.1555	0.1521	0.0242	-0.3739	0.2427	-0.6166	-0.0765
87	43.09	-0.01	8.8454	-0.6635	0.1040	-0.2346	0.0385	-0.3737	0.2390	-0.6127	-0.0773
88	43.28	0.01	8.9006	-0.7508	0.1806	0.3323	0.0300	-0.3631	0.2465	-0.6096	-0.0843
89	43.45	-0.02	8.9514	-0.6550	-0.0173	0.2529	0.0165	-0.3771	0.2430	-0.6207	-0.0732
90	43.63	0.02	9.0025	-0.7725	0.3465	0.7706	0.0150	-0.3695	0.2452	-0.6147	-0.0856
91	43.80	-0.02	9.0552	-0.6621	-0.0047	0.2161	0.0254	-0.3775	0.2423	-0.6198	-0.0731
92	43.98	-0.01	9.1003	-0.7225	0.0103	0.4003	0.0039	-0.3813	0.2404	-0.6277	-0.0787

PAGE 1 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

POINT	TEST PART MACF RX10-8		PNT	CLMF		L	DEL1	DEL2	DEL3	DEL4	TRANSITION
	136	6.5C 1.7		U.0	0.10U11	C.C	J	-20	U	-20	
	ALPHA	BETA	CN	CLM	CY	CLX	CLL	CA	CAB	CAF	XCP
93	44.18	-0.01	9.2221	-0.7507	0.0588	0.3950	0.0187	-0.3615	0.2444	-0.6259	-0.0857
94	44.35	0.01	9.2412	-0.6655	0.3275	-0.1620	0.0396	-0.3860	0.2448	-0.6314	-0.0937
95	44.53	-0.02	9.2503	-0.5740	-0.0030	-0.0112	0.0330	-0.3909	0.2456	-0.6365	-0.0726
96	44.72	-0.01	9.2553	-0.7464	0.0671	0.2590	0.0190	-0.3818	0.2501	-0.6315	-0.0788
97	44.90	-0.01	9.2463	-0.7633	0.1180	0.1507	0.0267	-0.3866	0.2485	-0.6351	-0.0808
98	45.08	-0.02	9.2571	-0.6042	-0.1080	1.1355	-0.0140	-0.3903	0.2587	-0.6490	-0.0875
99	45.26	-0.03	9.2645	-0.7567	-0.0506	0.2799	0.0349	-0.3992	0.2521	-0.6513	-0.0781
100	45.45	0.01	9.2675	-0.7520	0.4032	0.0052	0.0417	-0.4378	0.2476	-0.6855	-0.0808
101	45.63	-0.02	9.2664	-0.8016	0.0704	0.1006	0.0293	-0.4093	0.2464	-0.6557	-0.0819
102	45.78	-0.02	9.2750	-0.6035	0.0226	-0.0374	0.0495	-0.4201	0.2501	-0.6763	-0.0693
103	45.96	-0.03	9.2812	-0.9671	-0.0781	0.9268	-0.0356	-0.4010	0.2571	-0.6581	-0.0579
104	46.15	-0.01	10.0665	-0.6750	0.1150	0.0115	0.0019	-0.3813	0.2662	-0.6475	-0.0874
105	46.31	-0.02	10.0155	-0.9236	0.1004	0.7026	0.0148	-0.4155	0.2497	-0.6656	-0.0522
106	46.49	0.00	10.0145	-1.0213	0.1572	1.2767	-0.0319	-0.4005	0.2691	-0.6777	-0.1005
107	46.67	-0.00	10.2753	-0.5227	0.1838	1.0143	-0.0111	-0.4075	0.2556	-0.6671	-0.0858
108	46.84	-0.03	10.3154	-0.5111	-0.0068	0.7222	0.0101	-0.4383	0.2542	-0.6426	-0.0883
109	47.03	-0.02	10.4584	-1.0571	-0.0514	1.4730	0.0010	-0.4531	0.2699	-0.7231	-0.1007
110	47.19	-0.02	10.4157	-0.9570	0.1467	0.2607	0.0435	-0.4444	0.2538	-0.6583	-0.0919
111	47.36	-0.01	10.5470	-1.0442	0.0582	1.4738	-0.0372	-0.4315	0.2601	-0.6981	-0.0950
112	47.53	-0.01	10.5441	-0.5570	0.2222	-0.1112	0.0062	-0.4525	0.2422	-0.6546	-0.0908
113	47.70	0.01	10.5185	-0.5535	0.3772	0.5645	0.0423	-0.4468	0.2567	-0.7036	-0.0907
114	47.88	-0.00	10.7264	-0.8835	0.1780	1.1734	0.0029	-0.4507	0.2880	-0.7388	-0.0824
115	48.06	0.00	10.7632	-1.1487	0.1375	1.5816	-0.0576	-0.3956	0.2692	-0.6849	-0.1067
116	48.23	0.01	10.6264	-0.9486	0.3065	1.3166	0.0089	-0.4375	0.2797	-0.7173	-0.0875
117	48.42	0.01	11.0000	-1.0870	0.2636	1.8143	-0.0370	-0.4297	0.2975	-0.7272	-0.0987
118	48.60	0.02	11.0350	-1.3722	0.3408	1.9021	-0.0024	-0.3869	0.3445	-0.7314	-0.1243
119	48.77	0.00	11.1275	-1.5500	0.1387	2.5215	-0.0137	-0.3795	0.3587	-0.7362	-0.1429
120	48.93	0.02	11.2553	-1.0014	0.3580	2.3209	-0.1148	-0.3368	0.3748	-0.7136	-0.1476
121	49.10	0.02	11.2141	-1.4546	0.3336	2.1333	-0.0805	-0.3541	0.3776	-0.7317	-0.1297
122	49.29	0.03	11.2455	-1.7757	0.5144	1.5443	-0.1009	-0.3357	0.4042	-0.7399	-0.1571
123	49.48	0.03	11.2476	-2.5345	0.4973	2.4357	-0.1018	-0.2515	0.4710	-0.7226	-0.2176
124	49.65	0.03	11.3561	-2.1256	0.5515	2.1509	-0.0800	-0.2015	0.4454	-0.7314	-0.1865
125	49.83	0.03	12.2446	-3.5555	0.4307	2.7049	-0.1017	-0.3346	0.4490	-0.7836	-0.2896
126	50.02	0.04	12.3075	-3.6454	0.4033	2.6898	-0.1079	-0.3054	0.4414	-0.7408	-0.2982
127	50.20	0.05	12.3525	-3.4476	0.6737	2.4361	-0.1008	-0.2856	0.4488	-0.7345	-0.2756
128	50.38	0.06	12.2815	-3.3415	0.6315	2.2355	-0.0019	-0.2733	0.4415	-0.7145	-0.2725
129	50.56	0.05	12.4046	-3.2023	0.6878	2.1893	-0.0735	-0.2881	0.4473	-0.7355	-0.2581
130	50.71	0.05	12.4757	-3.0536	0.7504	2.0222	-0.0345	-0.2709	0.4531	-0.7241	-0.2608
131	50.88	0.06	12.5342	-3.3753	0.9079	1.8576	-0.0342	-0.2757	0.4757	-0.7515	-0.2693
132	51.03	0.06	12.5075	-3.2105	0.9558	1.9006	-0.0215	-0.2403	0.4708	-0.7192	-0.2567
133	51.23	0.06	12.5518	-4.0557	0.8366	2.5416	-0.0608	-0.2475	0.4930	-0.7405	-0.3131
134	51.41	0.06	13.1540	-4.3050	0.8407	2.3849	-0.0541	-0.2602	0.5024	-0.7026	-0.3273
135	51.58	0.05	12.2640	-4.5702	0.8105	2.8225	-0.0582	-0.2335	0.5037	-0.7392	-0.3446
136	51.77	0.03	13.5562	-4.6575	0.5575	2.0107	-0.0207	-0.2415	0.5002	-0.7497	-0.3583
137	51.92	0.04	13.4445	-4.6324	0.5880	2.8845	-0.0136	-0.2380	0.5048	-0.7428	-0.3554
138	52.11	0.06	13.6464	-4.6815	0.5088	2.6303	-0.0211	-0.2412	0.5007	-0.7419	-0.3577

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			MACF	RATC-E	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7			130	0.50	1.7	0.0	0.0	0	-20	0	-20	UNKNOWN
PCINT	ALPHA	BETA	CA	CLM	CLY	CLN	CLL	CA	CAB	CAF	KCP	
139	52.26	0.04	13.4867	-4.0665	0.7506	2.4404	-0.0204	-0.2320	0.4932	-0.7302	-0.3478	
140	52.41	0.04	13.5074	-4.0626	0.7226	2.4016	-0.0344	-0.2007	0.4867	-0.7494	-0.3584	
141	52.59	0.02	13.5565	-4.9565	0.5057	2.7106	-0.0337	-0.2023	0.4806	-0.7665	-0.3647	
142	52.70	0.06	13.6117	-4.0042	1.0000	2.4491	-0.0019	-0.2405	0.4962	-0.7387	-0.3532	
143	52.92	0.06	13.5511	-4.7240	1.0501	2.2543	-0.0371	-0.2410	0.4910	-0.7320	-0.3476	
144	53.09	0.02	13.7502	-4.9356	0.6285	2.4345	-0.0129	-0.2314	0.4916	-0.7370	-0.3590	
145	53.24	0.07	13.5340	-4.7173	1.0252	2.3285	0.0352	-0.2329	0.4885	-0.7214	-0.3486	
146	53.42	0.04	13.6000	-4.9060	0.7352	2.2404	-0.0363	-0.2365	0.4911	-0.7276	-0.3645	
147	53.58	0.02	13.6525	-5.1060	1.0676	2.3392	-0.0368	-0.2610	0.4517	-0.7527	-0.3687	
148	53.74	0.02	13.7041	-4.9150	0.6753	2.0452	0.0377	-0.2422	0.4900	-0.7402	-0.3574	
149	53.90	0.02	13.6851	-4.9356	0.6504	2.0764	0.0360	-0.2606	0.4534	-0.7540	-0.3555	
150	54.06	0.05	13.9040	-5.0221	0.9322	1.8445	0.0151	-0.2275	0.5150	-0.7431	-0.3590	
151	54.22	0.07	13.9425	-4.9143	1.2181	1.8058	0.0342	-0.2370	0.5013	-0.7383	-0.3525	
152	54.38	0.04	13.9410	-4.9065	0.9307	1.5509	0.0351	-0.2355	0.4987	-0.7342	-0.3577	
153	54.53	0.04	13.9007	-4.8815	0.9270	1.4752	0.0420	-0.2374	0.5070	-0.7452	-0.3682	
154	54.70	0.04	14.1440	-4.9415	0.8838	1.4141	0.0429	-0.2345	0.5057	-0.7402	-0.3494	
155	54.84	0.03	14.0032	-4.7537	0.8820	1.2721	0.0320	-0.2475	0.4980	-0.7455	-0.3423	
156	54.99	0.03	13.9053	-4.8860	0.8554	1.1434	0.0497	-0.2483	0.5001	-0.7464	-0.3486	
157	55.15	0.02	14.2424	-4.9215	0.6538	1.3654	0.0520	-0.2453	0.5028	-0.7481	-0.3456	
158	55.30	0.01	14.1000	-4.8952	0.7770	1.1541	0.0506	-0.2425	0.5016	-0.7441	-0.3441	
159	55.46	-0.00	14.3223	-4.9818	0.6032	1.1704	0.0641	-0.2503	0.5008	-0.7551	-0.3409	
160	55.60	0.03	14.5753	-4.6257	0.5196	1.0537	0.0620	-0.2201	0.5024	-0.7225	-0.3312	
161	55.77	0.07	14.1061	-4.7473	1.2674	1.1706	0.0520	-0.2492	0.5052	-0.7544	-0.3363	
162	55.92	0.03	14.2370	-4.7375	0.8530	1.1074	0.0536	-0.2674	0.5007	-0.7661	-0.3327	
163	56.08	0.03	14.1421	-4.7722	0.8838	1.0212	0.0636	-0.2587	0.4955	-0.7586	-0.3373	
164	56.24	0.00	14.1954	-4.9858	0.6215	1.0438	0.0644	-0.2529	0.4963	-0.7492	-0.3232	
165	56.40	0.02	14.2760	-4.7954	0.8360	1.2545	0.0757	-0.2598	0.5035	-0.7637	-0.3359	
166	56.54	0.01	14.2112	-4.7440	0.7250	0.9709	0.0644	-0.2677	0.5004	-0.7681	-0.3337	
167	56.70	0.02	14.3042	-4.8025	0.8000	0.8575	0.0647	-0.2664	0.5028	-0.7692	-0.3413	
168	56.85	-0.02	14.2003	-4.7373	0.6944	0.8924	0.0655	-0.2400	0.5044	-0.7510	-0.3317	
169	56.99	-0.00	14.2375	-4.6330	0.5315	1.0650	0.0546	-0.2589	0.5007	-0.7596	-0.3254	
170	57.15	-0.04	14.2035	-4.6313	0.2207	1.2841	0.0645	-0.2742	0.4978	-0.7720	-0.3246	
171	57.29	-0.04	14.3107	-4.6962	0.4063	0.9573	0.0654	-0.2605	0.5035	-0.7640	-0.3282	
172	57.43	-0.08	14.2551	-4.6922	-0.0101	0.8400	0.0553	-0.3098	0.4884	-0.7581	-0.2874	
173	57.59	-0.06	14.3701	-3.7602	0.0682	0.3484	0.0569	-0.3465	0.4649	-0.8134	-0.2671	
174	57.74	-0.07	14.3332	-3.6322	0.6504	-0.2110	0.0549	-0.3912	0.4430	-0.8342	-0.2534	
175	57.88	-0.10	14.3525	-4.0147	-0.0320	-1.2280	0.0467	-0.3602	0.4708	-0.8310	-0.2797	
176	58.03	-0.13	14.3022	-4.0620	-0.4450	-1.3283	0.0349	-0.4050	0.5200	-0.8116	-0.3200	
177	58.17	-0.11	14.4170	-4.6533	-0.2112	-1.2762	0.0402	-0.2696	0.5349	-0.8045	-0.3228	
178	58.19	-0.14	14.4030	-4.0070	-0.3001	-1.4790	0.0341	-0.2717	0.5332	-0.8129	-0.3227	
179	58.20	-0.12	14.4573	-4.5634	-0.2604	-1.3564	0.0341	-0.2695	0.5259	-0.8153	-0.3170	
180	58.19	-0.12	14.4209	-4.5622	-0.3211	-1.0152	0.0404	-0.2697	0.5324	-0.8021	-0.3177	

PAGE 2 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

PCINT	TEST PART MACF RX10-6				PHI		CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION
	7 13c J-50 1.7				0.0		B10F11		C.C		0	-20	0	-20	UNKNOWN
	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8	CONF9	CONF10	CONF11	CONF12	CONF13
1	-5.69	-0.01	-0.0153	0.0020	0.0116	-0.1450	-0.6310	-0.7186	-0.0560	-0.3815	0.0779	0.5307			
2	-5.73	-0.02	-0.0220	0.0020	0.0113	-0.1272	-0.5430	-0.7175	-0.0562	-0.3808	0.0763	0.5306			
3	-5.70	-0.01	-0.0206	0.0020	0.0120	-0.1202	-0.5325	-0.7148	-0.0558	-0.3771	0.0760	0.5276			
4	-4.88	-0.02	-0.0175	0.0035	0.0112	-0.2170	-0.6257	-0.7051	-0.0552	-0.3711	0.0763	0.5263			
5	-3.01	-0.02	-0.0152	0.0040	0.0108	-0.2355	-0.5521	-0.7065	-0.0517	-0.3689	0.0730	0.5207			
6	-1.27	-0.01	-0.0100	0.0045	0.0105	-0.2551	-0.6300	-0.7594	-0.0620	-0.3597	0.1087	0.5263			
7	0.52	-0.01	-0.0135	0.0040	0.0082	-0.2502	-0.6076	-0.6600	-0.0616	-0.3473	0.1274	0.5423			
8	2.28	-0.02	-0.0090	0.0040	0.0095	-0.2470	-0.6008	-0.5349	-0.0608	-0.3093	0.1660	0.5702			
9	4.02	-0.02	-0.0016	0.0043	0.0107	-2.6808	-0.6075	-0.4490	-0.0905	-0.2622	0.2011	0.5825			
10	5.70	-0.02	-0.0041	0.0021	0.0107	-0.5121	-2.0090	-0.3418	-0.0795	-0.2101	0.2325	0.6147			
11	7.60	-0.00	-0.0030	0.0021	0.0120	-0.6590	-5.0000	-0.2412	-0.0632	-0.1535	0.2620	0.6381			
12	9.33	-0.01	-0.0019	0.0033	0.0140	-1.7504	-7.3004	-0.1477	-0.0471	-0.1060	0.3188	0.7177			
13	11.14	-0.03	-0.0056	0.0032	0.0107	-0.5713	-1.9107	-0.0710	-0.0253	-0.0624	0.3562	0.8530			
14	12.91	-0.02	-0.0077	0.0045	0.0063	-0.2407	-0.8102	-0.0039	-0.0077	-0.0306	1.5738	7.8461			
15	14.70	-0.01	-0.0074	0.0067	0.0045	-0.0500	-0.6051	0.0490	0.0153	-0.0070	0.3084	-0.1411			
16	16.57	-0.02	-0.0115	-0.0067	0.0090	0.0500	-0.7505	0.0090	0.0380	0.0047	0.4331	0.1080			
17	18.41	-0.03	-0.0153	-0.0035	0.0050	0.2020	-0.2591	0.1402	0.0615	0.0360	0.4385	0.2568			
18	20.24	-0.04	-0.0200	-0.0075	0.0035	0.1390	-0.3016	0.1690	0.0727	0.0570	0.3846	0.3048			
19	22.10	-0.04	-0.0234	-0.0085	-0.0040	0.1158	-0.3527	0.2595	0.0810	0.1015	0.3121	0.3911			
20	23.95	-0.06	-0.0180	-0.0101	0.0008	0.0805	0.2807	0.2719	0.0600	0.1128	0.3191	0.4145			
21	25.83	-0.04	-0.0204	-0.0035	-0.0155	0.0450	0.2081	0.4075	0.0525	0.1715	0.2277	0.4204			
22	27.69	0.02	0.1300	0.0237	0.0097	0.1732	0.6057	0.5027	0.0424	0.2114	0.1840	0.4205			
23	27.52	0.01	0.1914	0.0317	0.1153	0.1650	0.6024	0.5074	0.0510	0.2123	0.1793	0.4184			
24	27.57	0.03	0.2530	0.0407	0.1431	0.1000	0.5656	0.5273	0.0906	0.2413	0.1718	0.4197			
25	28.38	0.03	0.2783	0.0429	0.1530	0.1530	0.5400	0.5434	0.0905	0.2303	0.1665	0.4238			
26	28.07	0.03	0.3201	0.0570	0.1803	0.1747	0.5529	0.5551	0.0907	0.2300	0.1633	0.4251			
27	28.94	0.03	0.2253	0.0342	0.1200	0.1518	0.5326	0.5557	0.0933	0.2362	0.1675	0.4286			
28	29.27	0.02	0.1101	0.0306	0.0700	0.2001	0.6081	0.5443	0.0907	0.2347	0.1776	0.4312			
29	29.56	0.03	0.2447	0.0515	0.1333	0.2006	0.5647	0.5652	0.0945	0.2447	0.1672	0.4325			
30	29.83	0.02	0.1120	0.0253	0.0600	0.2200	0.5922	0.5695	0.0971	0.2446	0.1705	0.4295			
31	30.10	0.03	0.1604	0.0363	0.0550	0.2333	0.5641	0.5627	0.0972	0.2522	0.1668	0.4328			
32	30.37	0.02	0.1942	0.0455	0.1090	0.2339	0.5500	0.5657	0.0965	0.2530	0.1647	0.4330			
33	30.66	0.03	0.2202	0.0500	0.1274	0.2474	0.5360	0.5945	0.0963	0.2590	0.1619	0.4357			
34	30.92	0.05	0.2607	0.0701	0.1545	0.2744	0.5304	0.6077	0.0963	0.2607	0.1584	0.4305			
35	31.21	0.05	0.2576	0.0647	0.1325	0.2511	0.5144	0.6181	0.0961	0.2717	0.1554	0.4398			
36	31.49	0.06	0.2111	0.0677	0.1055	0.3200	0.5206	0.6104	0.0979	0.2722	0.1588	0.4416			
37	31.75	0.05	0.2202	0.0800	0.1155	0.3814	0.5245	0.6295	0.0987	0.2700	0.1567	0.4426			
38	32.01	0.05	0.1003	0.0602	0.0645	0.3030	0.5271	0.6205	0.0993	0.2700	0.1585	0.4415			
39	32.28	0.05	0.1535	0.0520	0.0762	0.3420	0.4564	0.6384	0.0993	0.2812	0.1595	0.4405			
40	32.54	0.05	0.1735	0.0507	0.0871	0.3302	0.5020	0.6510	0.0999	0.2802	0.1533	0.4424			
41	32.80	0.05	0.2425	0.0622	0.1203	0.2560	0.4953	0.6021	0.0983	0.2920	0.1484	0.4410			
42	33.00	0.06	0.3005	0.0811	0.1432	0.1490	0.4000	0.6070	0.0936	0.3005	0.1360	0.4365			
43	33.31	0.05	0.2571	0.0432	0.1140	0.1680	0.4457	0.6951	0.0948	0.3029	0.1363	0.4358			
44	33.55	0.05	0.2435	0.0355	0.1010	0.1635	0.4174	0.6972	0.0840	0.3017	0.1285	0.4327			
45	33.81	0.05	0.2016	0.0473	0.1100	0.1800	0.4457	0.7018	0.0926	0.3048	0.1319	0.4343			
46	34.04	0.04	0.2654	0.0492	0.1105	0.1855	0.4457	0.6600	0.0742	0.2881	0.1112	0.4321			

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	PACF	FX10-6	PHI	CNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
1	130	0.50	1.7	C.C. BANCILL	C.C.	0	-20	0	-20	UNKNOWN		
PCINT	ALPHA	BETA	CNF1	CH1	Col	ACPF1	YCPF1	CNF2	CH2	C82	XCPF2	YCPF2
47	34.29	0.03	0.2354	0.0420	0.0555	0.1704	0.4244	0.0041	0.0773	0.2986	0.1130	0.4365
48	34.50	0.02	0.2105	0.0348	0.0645	0.1653	0.4033	0.0042	0.0762	0.2975	0.1113	0.4354
49	34.75	0.03	0.2153	0.0414	0.0657	0.1807	0.4304	0.0048	0.0723	0.2856	0.1081	0.4330
50	35.03	0.01	0.2257	0.0453	0.0154	0.1920	0.4513	0.0048	0.0724	0.2908	0.1082	0.4348
51	35.27	0.03	0.1830	0.0328	0.0746	0.1792	0.4087	0.0044	0.0753	0.3032	0.1081	0.4354
52	35.53	0.01	0.1865	0.0343	0.0740	0.1839	0.4225	0.0055	0.0723	0.2978	0.1048	0.4315
53	35.75	0.02	0.1103	0.0156	0.0353	0.1414	0.3200	0.7196	0.0746	0.3132	0.1036	0.4352
54	35.98	0.00	0.0569	0.0057	0.0045	0.0967	0.0704	0.7314	0.0752	0.3163	0.1028	0.4352
55	36.22	0.01	0.0340	0.0040	0.0055	0.1025	0.2530	0.7356	0.0756	0.3159	0.1030	0.4348
56	36.45	0.01	0.0210	0.0030	0.0067	0.1809	0.3190	0.7254	0.0760	0.3145	0.1047	0.4341
57	36.68	0.01	0.0283	0.0084	0.0041	0.2567	1.4876	0.7426	0.0791	0.3224	0.1065	0.4346
58	36.94	0.02	0.0013	0.00	0.0014	0.0	16.0461	0.7345	0.0744	0.3108	0.1013	0.4313
59	37.16	0.01	0.0432	0.0113	0.0326	0.2615	1.2176	0.7506	0.0753	0.3259	0.1003	0.4342
60	37.41	0.01	0.0083	0.0001	0.0017	0.0120	2.0145	0.7374	0.0752	0.3182	0.1020	0.4315
61	37.66	0.00	0.0194	0.0025	0.0085	0.1268	1.4397	0.7393	0.0743	0.3204	0.1005	0.4334
62	37.89	0.00	0.0544	0.0092	0.0050	0.1691	0.4301	0.7656	0.0757	0.3332	0.0985	0.4352
63	38.13	0.01	0.0265	0.0033	0.0047	0.1118	1.1763	0.7496	0.0745	0.3248	0.0954	0.4333
64	38.37	0.01	0.0175	0.0011	0.0024	0.0620	1.3371	0.7393	0.0741	0.3204	0.1002	0.4334
65	38.59	0.02	0.0555	0.0075	0.0025	0.1351	1.7658	0.7403	0.0729	0.3234	0.0974	0.4322
66	38.86	0.00	0.0703	0.0088	0.0000	0.1243	1.7002	0.7510	0.0741	0.3284	0.0986	0.4373
67	39.04	0.01	0.0712	0.0015	0.0055	0.0211	0.7093	0.7494	0.0753	0.3271	0.1005	0.4365
68	39.26	0.00	0.1083	0.0014	0.0072	0.1514	0.6057	0.7655	0.0754	0.3362	0.0985	0.4392
69	39.45	0.00	0.1005	0.0120	0.0010	0.1194	0.6070	0.7567	0.0748	0.3336	0.0988	0.4405
70	39.68	0.02	0.1061	0.0155	0.0084	0.1498	0.6447	0.7642	0.0734	0.3360	0.0960	0.4357
71	39.88	0.00	0.1006	0.0117	0.0011	0.1103	0.6074	0.7577	0.0753	0.3353	0.0994	0.4425
72	40.08	0.01	0.1412	0.0160	0.0017	0.1317	0.5786	0.7577	0.0755	0.3341	0.0956	0.4405
73	40.25	0.02	0.1516	0.0225	0.0015	0.1461	0.6050	0.7725	0.0750	0.3401	0.0971	0.4403
74	40.50	0.01	0.1016	0.0123	0.0041	0.1210	0.6309	0.7727	0.0734	0.3412	0.0950	0.4416
75	40.72	0.03	0.1116	0.0107	0.0073	0.0957	0.6288	0.7623	0.0742	0.3356	0.0973	0.4402
76	40.92	0.02	0.1157	0.0142	0.0055	0.1227	0.6041	0.7600	0.0743	0.3442	0.0952	0.4413
77	41.14	0.04	0.1001	0.0130	0.0046	0.1298	0.6454	0.7548	0.0737	0.3507	0.0927	0.4412
78	41.42	0.00	0.0774	0.0060	0.0024	0.1033	0.6770	0.7800	0.0741	0.3441	0.0942	0.4378
79	41.60	0.01	0.0423	0.0058	0.0025	0.2316	0.9102	0.6257	0.0732	0.3663	0.0886	0.4436
80	41.79	0.00	0.0637	0.0063	0.0043	0.0985	0.6797	0.6022	0.0738	0.3531	0.0920	0.4402
81	42.00	0.01	0.0224	0.0022	0.0027	0.0582	1.2277	0.6171	0.0730	0.3585	0.0853	0.4387
82	42.18	0.01	0.0561	0.0055	0.0040	0.0900	0.7148	0.6153	0.0736	0.3558	0.0902	0.4364
83	42.37	0.01	0.0036	0.0007	0.0077	0.1944	2.1389	0.8361	0.0721	0.3670	0.0862	0.4385
84	42.54	0.01	0.0204	0.0007	0.0015	0.0335	0.4091	0.6224	0.0719	0.3554	0.0874	0.4367
85	42.73	0.00	0.0713	0.0074	0.0015	0.1038	0.2146	0.6099	0.0712	0.3832	0.0818	0.4409
86	42.90	0.00	0.0261	0.0036	0.0032	0.1379	0.1226	0.6611	0.0711	0.3777	0.0825	0.4366
87	43.04	0.01	0.0627	0.0054	0.0015	0.1136	0.2646	0.6730	0.0708	0.3823	0.0811	0.4375
88	43.28	0.01	0.0042	0.0004	0.0018	0.0952	2.8095	0.6640	0.0714	0.3780	0.0826	0.4375
89	43.45	0.02	0.0365	0.0042	0.0000	0.1150	0.0219	0.6618	0.0711	0.3860	0.0806	0.4377
90	43.63	0.02	0.0132	0.0017	0.0024	0.1200	1.4242	0.6603	0.0718	0.3780	0.0827	0.4363
91	43.80	0.02	0.0442	0.0035	0.0050	0.0752	0.1267	0.6663	0.0655	0.3850	0.0788	0.4344
92	43.98	0.01	0.0542	0.0053	0.0073	0.1571	0.7490	0.6743	0.0721	0.3793	0.0824	0.4338

PAGE 4 OF 3
SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART	MACH	XXIC-E	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	1.56	0.50	1.0	0.0	0.0001	0.0	-20	0	-20	UNKNOWN
PLINT	ALPHA	BETA	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF
93	44.18	-0.01	0.0161	0.0022	-0.0105	0.1366	-0.6398	0.8908	0.0701	0.3860
94	44.35	0.01	0.0414	0.0055	0.0054	0.1425	0.1208	0.8902	0.0702	0.3860
95	44.53	-0.02	-0.0051	0.0010	-0.0154	-0.1099	1.6923	0.8817	0.0703	0.3827
96	44.72	-0.01	0.0612	0.0081	0.0097	0.1323	0.1585	0.9115	0.0698	0.3535
97	44.90	-0.01	0.0844	0.0105	0.0205	0.1244	0.2429	0.9174	0.0695	0.3975
98	45.08	-0.02	-0.0418	-0.0051	-0.0304	0.1220	0.8708	0.8936	0.0707	0.3849
99	45.26	-0.03	-0.0041	0.0024	-0.0124	-0.5852	3.0244	0.9053	0.0716	0.3913
100	45.45	0.01	0.0411	0.0173	0.0243	0.1886	0.2850	0.9247	0.0701	0.4012
101	45.63	-0.02	-0.0618	-0.0066	-0.0485	0.1250	0.7108	0.9085	0.0710	0.3909
102	45.80	-0.02	0.0252	0.0070	0.0028	0.2777	0.1111	0.9189	0.0709	0.3955
103	45.96	-0.03	-0.0402	-0.0051	-0.0398	0.1089	0.8504	0.9158	0.0713	0.3945
104	46.15	-0.01	-0.0400	-0.0154	-0.0347	0.1653	0.6512	0.9319	0.0743	0.4001
105	46.31	-0.02	-0.0056	-0.0041	-0.0241	-0.7319	4.3036	0.9307	0.0713	0.3980
106	46.49	0.00	-0.1202	-0.0203	-0.0801	0.1603	0.6601	0.9246	0.0729	0.3940
107	46.67	-0.00	-0.1113	-0.0155	-0.0682	0.1392	0.6128	0.9365	0.0735	0.3986
108	46.84	-0.03	-0.0035	-0.0054	-0.0001	0.1400	0.7200	0.9403	0.0722	0.4043
109	47.03	-0.02	-0.0137	0.0006	-0.0225	-0.0438	1.6715	0.9528	0.0724	0.4055
110	47.19	-0.02	0.0165	0.0110	0.0226	0.2823	0.2954	0.9531	0.0706	0.4041
111	47.36	-0.01	-0.1042	-0.0305	-0.1111	0.1655	0.6031	0.9696	0.0755	0.4016
112	47.53	-0.01	-0.0170	-0.0014	-0.0163	0.0823	0.9706	0.9632	0.0718	0.4068
113	47.70	0.01	0.1060	-0.0154	-0.0378	0.1428	0.5352	0.9555	0.0726	0.3971
114	47.88	-0.00	-0.1241	-0.0221	-0.0677	0.1700	0.5455	0.9661	0.0743	0.4040
115	48.06	0.00	-0.2470	-0.0511	-0.1334	0.2068	0.5421	0.9995	0.0785	0.4237
116	48.23	0.01	-0.1508	-0.0203	-0.0814	0.1744	0.5398	0.9746	0.0753	0.4090
117	48.42	0.01	-0.1425	-0.0227	-0.0814	0.1586	0.5696	0.9777	0.0751	0.4093
118	48.60	0.02	-0.1509	-0.0355	-0.1109	0.2008	0.5632	1.0057	0.0757	0.4211
119	48.77	0.00	-0.2425	-0.0614	-0.1355	0.2531	0.5604	1.0408	0.0775	0.4366
120	48.93	0.02	-0.1993	-0.0548	-0.1136	0.2749	0.5710	1.0338	0.0759	0.4414
121	49.10	0.02	-0.1506	-0.0450	-0.1114	0.2467	0.5609	1.0441	0.0758	0.4344
122	49.29	0.03	-0.1853	-0.0544	-0.1087	0.2673	0.5742	1.0605	0.0741	0.4451
123	49.46	0.03	-0.1595	-0.0551	-0.1115	0.2781	0.5589	1.0236	0.0751	0.4265
124	49.63	0.03	-0.1645	-0.0456	-0.1025	0.2682	0.5544	1.0209	0.0696	0.4244
125	49.85	0.03	-0.1638	-0.0581	-0.1066	0.3160	0.5811	1.0515	0.0726	0.4401
126	50.02	0.02	-0.1703	-0.0605	-0.1017	0.3431	0.5709	1.0593	0.0707	0.4424
127	50.20	0.05	-0.1250	-0.0537	-0.0781	0.4295	0.6248	1.0626	0.0680	0.4423
128	50.36	0.06	-0.0550	-0.0403	-0.0220	0.4893	0.6472	1.0521	0.0675	0.4445
129	50.54	0.05	-0.0700	-0.0389	-0.0338	0.5358	0.6886	1.0435	0.0653	0.4256
130	50.71	0.05	-0.0601	-0.0305	-0.0225	0.5407	0.7541	1.0332	0.0629	0.4427
131	50.88	0.06	-0.0615	-0.0352	-0.0293	0.4269	0.7035	1.0362	0.0618	0.4259
132	51.03	0.06	-0.0227	-0.0307	-0.0310	0.3521	0.6356	1.0286	0.0618	0.4223
133	51.23	0.06	-0.0529	-0.0455	-0.0377	0.5327	0.7718	1.0214	0.0606	0.4174
134	51.41	0.06	-0.0805	-0.0455	-0.0600	0.5741	0.7457	1.0332	0.0600	0.4243
135	51.56	0.05	-0.0665	-0.0421	-0.0500	0.6329	0.8421	1.0227	0.0608	0.4170
136	51.77	0.05	-0.0405	-0.0354	-0.0390	0.6730	0.9679	1.0314	0.0602	0.4246
137	51.92	0.04	-0.0230	-0.0266	-0.0306	1.1562	1.3304	1.0224	0.0608	0.4187
138	52.11	0.06	-0.0322	-0.0203	-0.0324	0.8706	1.0362	1.0342	0.0604	0.4232

PAGE 2 OF 3
 SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		PHI		CONF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION					
7		1.36		0.50		1.7		U-U		DIAPHR		G.G		U		-20		U		-20		UNKNOWN	
PCINT	ALPHA	BETA	CNFI	CHI	COL	XLFF1	YLPF1	CNF2	CF2	Co2	XCPF2	YCPF2											
139	52.20	0.04	-0.0197	-0.0237	-0.0259	1.2027	1.3147	1.0195	0.0611	0.4155	0.0599	0.4076											
140	52.41	0.04	-0.0315	-0.0310	-0.0365	0.5571	0.7033	1.0517	0.0600	0.4311	0.0570	0.4095											
141	52.59	0.02	-0.0251	-0.0252	-0.0255	1.0037	1.0154	1.0487	0.0605	0.4302	0.0577	0.4102											
142	52.70	0.00	-0.0272	-0.0230	-0.0234	0.0074	0.7500	1.0309	0.0557	0.4227	0.0576	0.4077											
143	52.92	0.00	-0.0338	-0.0227	-0.0227	0.0714	0.6716	1.0251	0.0567	0.4170	0.0582	0.4068											
144	53.09	0.02	-0.0451	-0.0255	-0.0180	1.3347	0.9000	1.0531	0.0587	0.4305	0.0557	0.4068											
145	53.24	0.07	-0.0555	-0.0257	-0.0105	0.0074	0.5324	1.0411	0.0556	0.4230	0.0572	0.4065											
146	53.42	0.04	-0.0656	-0.0323	-0.0328	0.4500	0.4985	1.0529	0.0580	0.4316	0.0551	0.4095											
147	53.56	0.06	-0.0584	-0.0276	-0.0293	0.4725	0.5017	1.0369	0.0575	0.4213	0.0554	0.4083											
148	53.74	0.02	-0.0400	-0.0175	-0.0000	1.7495	0.8000	1.0354	0.0502	0.4194	0.0543	0.4051											
149	53.90	0.02	-0.0280	-0.0191	-0.0095	0.6283	0.3299	1.0526	0.0588	0.4315	0.0556	0.4095											
150	54.00	0.05	-0.0254	-0.0150	-0.0145	0.7714	0.5709	1.0217	0.0557	0.4105	0.0545	0.4100											
151	54.22	0.07	-0.0201	-0.0170	-0.0092	0.6741	0.3525	1.0365	0.0553	0.4230	0.0533	0.4081											
152	54.30	0.04	-0.0157	-0.0150	-0.0108	1.0001	0.4331	1.0520	0.0542	0.4200	0.0525	0.4078											
153	54.53	0.04	-0.0223	-0.0145	-0.0091	0.0000	0.4001	1.0100	0.0541	0.4115	0.0536	0.4078											
154	54.70	0.04	0.00	-0.0003	0.0043	-0.0003	0.0043	1.0305	0.0539	0.4218	0.0523	0.4093											
155	54.84	0.03	0.0134	-0.0025	0.0132	-0.1805	0.9851	1.0202	0.0531	0.4151	0.0520	0.4065											
156	54.99	0.03	0.0044	-0.0030	0.0155	-0.8100	2.2500	1.0232	0.0526	0.4165	0.0514	0.4071											
157	55.15	0.02	-0.0055	-0.0003	0.0074	1.0075	-1.2542	1.0200	0.0530	0.4196	0.0516	0.4050											
158	55.30	0.01	-0.0012	-0.0030	0.0110	2.3942	-9.0007	1.0310	0.0520	0.4224	0.0510	0.4095											
159	55.40	0.00	0.0100	0.0033	0.0213	0.1755	1.1330	1.0317	0.0521	0.4224	0.0505	0.4094											
160	55.60	0.03	0.0150	0.0007	0.0214	0.4234	1.3001	1.0185	0.0523	0.4100	0.0513	0.4084											
161	55.77	0.07	0.0003	0.0017	0.0155	0.2048	2.3494	1.0139	0.0523	0.4132	0.0516	0.4075											
162	55.92	0.03	0.0102	0.0057	0.0241	0.5507	2.3027	1.0242	0.0522	0.4187	0.0510	0.4068											
163	56.00	0.03	0.0101	0.0057	0.0247	0.5642	2.4455	1.0374	0.0515	0.4239	0.0496	0.4066											
164	56.24	0.04	-0.0000	0.0025	0.0145	-0.2900	-1.6620	1.0100	0.0507	0.4152	0.0498	0.4083											
165	56.40	0.02	-0.0145	0.0056	0.0103	-0.3599	-1.1241	1.0197	0.0506	0.4165	0.0498	0.4085											
166	56.54	0.01	-0.0124	0.0002	0.0200	-0.4459	-1.0013	1.0345	0.0497	0.4224	0.0480	0.4083											
167	56.70	0.02	-0.0074	0.0057	0.0245	-0.7721	-3.3100	1.0358	0.0501	0.4243	0.0484	0.4057											
168	56.85	0.02	-0.0255	0.0070	0.0170	-0.2580	-0.0007	1.0230	0.0514	0.4175	0.0502	0.4070											
169	56.95	0.00	-0.0418	0.0002	0.0154	-0.1571	-0.3702	1.0165	0.0515	0.4150	0.0507	0.4083											
170	57.15	0.04	-0.0305	0.0051	0.0185	-0.1050	-0.5907	1.0323	0.0512	0.4245	0.0490	0.4112											
171	57.29	0.04	-0.0445	0.0073	0.0184	-0.1040	-0.4135	1.0323	0.0512	0.4228	0.0496	0.4096											
172	57.43	0.00	-0.0401	0.0015	0.0110	-0.0300	-0.2302	1.0000	0.0492	0.4472	0.0455	0.4138											
173	57.59	0.00	-0.0005	0.0001	0.0051	-0.0017	-0.1504	1.0007	0.0503	0.4455	0.0465	0.4122											
174	57.74	0.07	-0.0501	0.0004	0.0117	-0.0009	-0.2014	1.0002	0.0498	0.4408	0.0458	0.4132											
175	57.80	0.10	-0.0543	-0.0030	0.0110	0.0012	-0.2619	1.0508	0.0478	0.4515	0.0438	0.4135											
176	58.03	0.13	-0.0590	-0.0000	0.0111	0.0171	-0.3171	1.0791	0.0475	0.4452	0.0444	0.4126											
177	58.17	0.11	-0.0557	-0.0054	0.0000	0.1300	-0.2116	1.0802	0.0485	0.4459	0.0449	0.4128											
178	58.19	0.14	-0.0427	-0.0005	0.0104	0.1522	-0.2553	1.0709	0.0407	0.4440	0.0451	0.4115											
179	58.20	0.12	-0.0354	-0.0021	0.0150	0.0593	-0.4237	1.0832	0.0400	0.4479	0.0443	0.4135											
180	58.19	0.12	-0.0452	-0.0050	0.0096	0.1100	-0.2124	1.0726	0.0407	0.4435	0.0454	0.4135											

PAGE 3 OF 3

PARTIAL MISSILE TAILS EFFECTS DATA

SHEET 1 OF 4

TEST PART MACH REFID-6				PHI	CONF	1	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 1.50 C.50 1.7				C.C	8140F11	0.0	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNF2	CNF3	CNF4	ACPF3	YCPF3	CNF4	CNF4	CNF4	ACPF4	YCPF4
1	-5.69	-0.01	-0.0052	5.9999	0.0232	5.9999	-4.4615	-0.7667	-0.0562	-0.3644	0.0733	0.4753
2	-5.70	-0.02	-0.0036	5.9999	0.0222	5.9999	-5.8421	-0.7724	-0.0561	-0.3643	0.0726	0.4765
3	-5.70	-0.01	-0.0036	5.9999	0.0222	5.9999	-5.8421	-0.7763	-0.0559	-0.3697	0.0720	0.4762
4	-4.86	-0.02	-0.0037	5.9999	0.0206	5.9999	-5.3376	-0.7761	-0.0560	-0.3694	0.0720	0.4747
5	-3.01	-0.02	-0.0036	5.9999	0.0174	5.9999	-4.6333	-0.8051	-0.0534	-0.3761	0.0663	0.4671
6	-1.29	-0.01	0.0004	5.9999	0.0209	5.9999	52.2300	-0.0346	-0.0790	-0.3891	0.0940	0.4633
7	0.52	-0.01	-0.0010	5.9999	0.0206	5.9999	-20.8000	-0.7240	-0.0855	-0.3388	0.1181	0.4680
8	2.28	-0.02	0.0044	5.9999	0.0234	5.9999	5.3162	-0.0349	-0.0984	-0.3047	0.1538	0.4765
9	4.02	-0.02	0.0058	5.9999	0.0254	5.9999	2.5716	-0.5338	-0.0936	-0.2461	0.1753	0.4648
10	5.76	-0.02	0.0043	5.9999	0.0244	5.9999	5.6744	-0.4240	-0.0817	-0.1942	0.1926	0.4580
11	7.60	-0.00	0.0124	5.9999	0.0272	5.9999	2.1935	-0.3074	-0.0660	-0.1396	0.2146	0.4541
12	9.33	-0.01	-0.0002	5.9999	0.0336	5.9999	-160.0000	-0.2022	-0.0480	-0.0908	0.2403	0.4491
13	11.14	-0.03	-0.0055	5.9999	0.0260	5.9999	-2.7368	-0.1203	-0.0264	-0.0572	0.2194	0.4753
14	12.91	-0.02	-0.0022	5.9999	0.0302	5.9999	-11.0000	-0.0452	-0.0085	-0.0262	0.1438	0.5796
15	14.70	-0.01	0.0100	5.9999	0.0206	5.9999	2.0600	0.0190	0.0183	0.0001	0.5625	0.0053
16	16.57	-0.02	0.0158	5.9999	0.0106	5.9999	0.6081	0.0031	0.0467	0.0235	0.5618	0.2828
17	18.41	-0.02	0.0266	5.9999	0.0167	5.9999	0.7030	0.1560	0.0673	0.0557	0.4258	0.3525
18	20.24	-0.04	0.0264	5.9999	0.0178	5.9999	0.6054	0.2701	0.0768	0.1035	0.2917	0.3966
19	22.10	-0.06	0.0155	5.9999	0.0164	5.9999	0.7236	0.3466	0.0871	0.1416	0.2512	0.4085
20	23.55	-0.06	0.0106	5.9999	0.0084	5.9999	0.6356	0.4403	0.0627	0.1891	0.1853	0.4237
21	25.83	-0.04	0.0267	5.9999	0.0165	5.9999	0.6180	0.4608	0.0857	0.1995	0.1547	0.4331
22	27.69	-0.02	0.0337	5.9999	0.0205	5.9999	0.5362	0.4732	0.0951	0.2058	0.2005	0.4434
23	27.92	-0.01	0.0572	5.9999	0.0315	5.9999	0.5538	0.4549	0.0951	0.2062	0.2050	0.4533
24	27.97	-0.03	0.0456	5.9999	0.0260	5.9999	0.5645	0.4428	0.0966	0.2035	0.2181	0.4596
25	28.38	-0.03	0.0590	5.9999	0.0336	5.9999	0.5095	0.4443	0.0971	0.2087	0.2185	0.4657
26	28.67	-0.03	0.0671	5.9999	0.0380	5.9999	0.5063	0.4698	0.0949	0.2234	0.2105	0.4766
27	28.94	-0.03	0.0605	5.9999	0.0336	5.9999	0.5367	0.4680	0.0976	0.2235	0.2085	0.4784
28	29.27	-0.02	0.0534	5.9999	0.0301	5.9999	0.5504	0.5170	0.0966	0.2522	0.1868	0.4878
29	29.56	-0.03	0.0575	5.9999	0.0320	5.9999	0.5527	0.5115	0.0990	0.2503	0.1935	0.4893
30	29.83	-0.02	0.0585	5.9999	0.0314	5.9999	0.5646	0.5230	0.0973	0.2589	0.1860	0.4950
31	30.10	-0.03	0.0592	5.9999	0.0332	5.9999	0.5608	0.5377	0.0992	0.2671	0.1844	0.4967
32	30.37	-0.02	0.0537	5.9999	0.0327	5.9999	0.6089	0.5335	0.0983	0.2655	0.1842	0.4977
33	30.66	-0.03	0.0645	5.9999	0.0390	5.9999	0.6047	0.5543	0.1004	0.2767	0.1811	0.5028
34	30.92	-0.03	0.0550	5.9999	0.0375	5.9999	0.6056	0.5686	0.1011	0.2878	0.1775	0.5067
35	31.21	-0.05	0.0455	5.9999	0.0346	5.9999	0.6990	0.5662	0.1004	0.2883	0.1767	0.5074
36	31.44	-0.06	0.0523	5.9999	0.0372	5.9999	0.6807	0.5698	0.1006	0.3013	0.1705	0.5109
37	31.75	-0.05	0.0576	5.9999	0.0375	5.9999	0.6530	0.6135	0.0991	0.3131	0.1615	0.5103
38	32.01	-0.05	0.0584	5.9999	0.0396	5.9999	0.6723	0.6016	0.0981	0.3653	0.1630	0.5141
39	32.28	-0.05	0.0617	5.9999	0.0386	5.9999	0.6288	0.6074	0.0991	0.3127	0.1631	0.5148
40	32.54	-0.05	0.0550	5.9999	0.0355	5.9999	0.6055	0.6121	0.0989	0.3153	0.1615	0.5151
41	32.80	-0.05	0.0711	5.9999	0.0445	5.9999	0.6315	0.6070	0.0999	0.3123	0.1662	0.5196
42	33.06	-0.06	0.0671	5.9999	0.0424	5.9999	0.6314	0.5914	0.1006	0.3083	0.1704	0.5213
43	33.31	-0.03	0.0643	5.9999	0.0427	5.9999	0.6841	0.5790	0.1011	0.3034	0.1746	0.5246
44	33.55	-0.03	0.0590	5.9999	0.0385	5.9999	0.6525	0.5797	0.0992	0.3027	0.1711	0.5222
45	33.81	-0.04	0.0642	5.9999	0.0421	5.9999	0.6558	0.5878	0.0998	0.3052	0.1697	0.5260
46	34.04	-0.04	0.0615	5.9999	0.0408	5.9999	0.6634	0.5969	0.1003	0.3134	0.1680	0.5250

PAGE 3 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	PA6F RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION			
1	130 C.50 1.7	U.C	BLKOF11	C.C	0	-20	J	-20	UNKNOWN			
PLINT	ALPHA	BETA	CONF	CMS	LOS	XCPF3	YCPF3	CONF	CF4	CB4	XCPF4	YCPF4
47	34.29	0.03	0.0002	5.5555	0.0351	5.5555	0.6495	0.6001	0.0992	0.3186	0.1631	0.5239
48	34.50	0.04	0.0016	5.5555	0.0307	5.5555	0.6262	0.6049	0.0906	0.3175	0.1601	0.5253
49	34.79	0.03	0.0058	5.5555	0.0365	5.5555	0.6616	0.6072	0.0946	0.3193	0.1558	0.5255
50	35.03	0.03	0.0021	5.5555	0.0352	5.5555	0.6736	0.6103	0.0942	0.3212	0.1543	0.5261
51	35.27	0.03	0.0055	5.5555	0.0446	5.5555	0.6417	0.5960	0.0784	0.3173	0.1311	0.5306
52	35.53	0.01	0.0061	5.5555	0.0371	5.9999	0.6013	0.6112	0.0841	0.3235	0.1376	0.5293
53	35.75	0.02	0.0062	5.5555	0.0361	5.5555	0.6423	0.6125	0.0832	0.3250	0.1358	0.5306
54	35.98	0.00	0.0061	5.5555	0.0333	5.5555	0.6423	0.6000	0.0806	0.3227	0.1327	0.5301
55	36.22	0.01	0.0055	5.5555	0.0365	5.9999	0.6536	0.6051	0.0763	0.3221	0.1294	0.5323
56	36.45	0.01	0.0061	5.5555	0.0363	5.5555	0.6827	0.6294	0.0779	0.3336	0.1236	0.5296
57	36.65	-0.01	0.0050	5.5555	0.0346	5.5555	0.6811	0.6215	0.0799	0.3286	0.1285	0.5287
58	36.85	-0.02	0.0021	5.5555	0.0363	5.5555	0.6967	0.6333	0.0765	0.3337	0.1267	0.5260
59	37.10	-0.01	0.0042	5.5555	0.0361	5.5555	0.6953	0.6245	0.0750	0.3307	0.1213	0.5295
60	37.41	0.01	0.0033	5.5555	0.0355	5.9999	0.6710	0.6504	0.0765	0.3429	0.1176	0.5272
61	37.66	-0.00	0.0032	5.5555	0.0341	5.5555	0.7544	0.6427	0.0740	0.3388	0.1151	0.5272
62	37.89	-0.00	0.0005	5.5555	0.0200	5.5555	0.6525	0.6560	0.0754	0.3456	0.1149	0.5268
63	38.15	0.01	0.0045	5.5555	0.0331	5.9999	0.7307	0.6713	0.0757	0.3524	0.1127	0.5250
64	38.37	0.01	0.0046	5.5555	0.0352	5.5555	0.7179	0.6759	0.0750	0.3556	0.1118	0.5261
65	38.59	0.02	0.0042	5.5555	0.0307	5.5555	0.7207	0.6761	0.0750	0.3550	0.1109	0.5251
66	38.80	-0.00	0.0012	5.5555	0.0292	5.5555	0.7649	0.6868	0.0747	0.3621	0.1085	0.5258
67	39.04	-0.01	0.0042	5.5555	0.0312	5.5555	0.7465	0.6902	0.0746	0.3633	0.1061	0.5264
68	39.26	-0.00	0.0028	5.5555	0.0217	5.5555	0.7416	0.6805	0.0735	0.3661	0.1071	0.5250
69	39.45	-0.00	0.0045	5.5555	0.0285	5.5555	0.6201	0.7041	0.0742	0.3700	0.1054	0.5255
70	39.68	-0.02	0.0013	5.5555	0.0301	5.5555	0.7268	0.7047	0.0722	0.3710	0.1033	0.5265
71	39.88	-0.00	0.0012	5.5555	0.0242	5.5555	0.7649	0.7113	0.0741	0.3721	0.1041	0.5231
72	40.06	-0.01	0.0013	5.5555	0.0306	5.9999	0.7409	0.7115	0.0739	0.3744	0.1036	0.5262
73	40.29	-0.02	0.0042	5.5555	0.0252	5.5555	0.7457	0.7150	0.0727	0.3762	0.1017	0.5262
74	40.50	-0.01	0.0036	5.5555	0.0255	5.9999	0.7194	0.7272	0.0731	0.3828	0.1005	0.5264
75	40.72	-0.03	0.0015	5.5555	0.0245	5.5555	0.7680	0.7285	0.0737	0.3818	0.1011	0.5241
76	40.92	-0.02	0.0027	5.5555	0.0367	5.5555	0.7150	0.7334	0.0726	0.3845	0.0992	0.5248
77	41.14	-0.04	0.0020	5.5555	0.0240	5.5555	0.7500	0.7366	0.0725	0.3851	0.0964	0.5228
78	41.42	-0.00	0.0033	5.5555	0.0246	5.5555	0.7367	0.7442	0.0726	0.3886	0.0975	0.5222
79	41.60	-0.01	0.0000	5.5555	0.0264	5.5555	0.7100	0.7425	0.0732	0.3891	0.0966	0.5240
80	41.79	-0.00	0.0014	5.5555	0.0200	5.5555	0.6763	0.7467	0.0731	0.3912	0.0976	0.5225
81	42.00	-0.01	0.0022	5.5555	0.0331	5.5555	0.6341	0.7487	0.0731	0.3918	0.0976	0.5233
82	42.10	0.01	0.0029	5.5555	0.0276	5.5555	0.6934	0.7654	0.0726	0.3957	0.0948	0.5222
83	42.37	0.01	0.0055	5.5555	0.0310	5.5555	0.6313	0.7620	0.0735	0.3950	0.0964	0.5236
84	42.54	0.01	0.0025	5.5555	0.0287	5.5555	0.6900	0.7742	0.0739	0.4045	0.0954	0.5225
85	42.73	-0.00	0.0055	5.5555	0.0316	5.5555	0.6945	0.7550	0.0745	0.3951	0.0988	0.5233
86	42.90	0.00	0.0025	5.5555	0.0292	5.5555	0.6746	0.7753	0.0741	0.4045	0.0956	0.5217
87	43.09	-0.01	0.0045	5.5555	0.0412	5.5555	0.6356	0.7645	0.0741	0.4003	0.0965	0.5236
88	43.26	0.01	0.0043	5.5555	0.0253	5.5555	0.6914	0.7607	0.0741	0.4108	0.0937	0.5195
89	43.45	-0.02	0.0037	5.5555	0.0345	5.5555	0.6599	0.7662	0.0738	0.4104	0.0938	0.5220
90	43.63	0.02	0.0043	5.5555	0.0274	5.5555	0.6799	0.7925	0.0727	0.4137	0.0914	0.5200
91	43.80	-0.02	0.0043	5.5555	0.0324	5.5555	0.6708	0.7770	0.0726	0.4072	0.0934	0.5241
92	43.98	-0.01	0.0043	5.5555	0.0324	5.5555	0.6700	0.8001	0.0721	0.4203	0.0892	0.5261

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PH1 CNF		L DEL1 DEL2		DEL3 DEL4		TRANSITION			
7 130 G.90 1.7			C.C. 010CF11		C.C		0 -20		0 -20		UNKNOWN	
FLINT	ALPHA	BETA	CNF2	CH3	CB3	ALPF3	YCPF3	CNF4	CH4	CH4	ALPF4	YCPF4
93	44.18	-0.01	0.0457	5.5555	0.0300	5.5555	0.6505	0.7980	0.0746	0.4158	0.0932	0.5211
94	44.35	0.01	0.0443	5.5555	0.0305	5.5555	0.6885	0.7902	0.0737	0.4158	0.0923	0.5209
95	44.53	-0.02	0.0457	5.5555	0.0311	5.5555	0.6805	0.7998	0.0727	0.4169	0.0905	0.5213
96	44.72	-0.01	0.0464	5.5555	0.0324	5.5555	0.6894	0.7912	0.0745	0.4125	0.0946	0.5214
97	44.90	-0.01	0.0444	5.5555	0.0285	5.5555	0.6509	0.7898	0.0746	0.4118	0.0944	0.5214
98	45.08	-0.02	0.0464	5.5555	0.0324	5.5555	0.6894	0.7912	0.0725	0.4272	0.0979	0.5181
99	45.26	-0.03	0.0444	5.5555	0.0254	5.5555	0.6622	0.8101	0.0735	0.4257	0.0898	0.5204
100	45.45	0.01	0.0430	5.5555	0.0288	5.5555	0.6896	0.8128	0.0752	0.4233	0.0925	0.5208
101	45.63	-0.02	0.0512	5.5555	0.0316	5.5555	0.6172	0.8276	0.0730	0.4304	0.0882	0.5201
102	45.78	-0.02	0.0458	5.5555	0.0301	5.5555	0.6572	0.8210	0.0740	0.4286	0.0901	0.5196
103	45.96	-0.03	0.0457	5.5555	0.0317	5.5555	0.6937	0.8417	0.0725	0.4359	0.0861	0.5179
104	46.15	-0.01	0.0316	5.5555	0.0262	5.5555	0.6968	0.8237	0.0751	0.4281	0.0911	0.5197
105	46.31	-0.02	0.0457	5.5555	0.0323	5.5555	0.7068	0.8504	0.0733	0.4406	0.0862	0.5181
106	46.49	0.00	0.0404	5.5555	0.0275	5.5555	0.6807	0.8538	0.0724	0.4468	0.0848	0.5163
107	46.67	-0.00	0.0431	5.5555	0.0254	5.5555	0.6321	0.8630	0.0727	0.4455	0.0842	0.5162
108	46.84	-0.03	0.0378	5.5555	0.0267	5.5555	0.7101	0.8506	0.0730	0.4406	0.0858	0.5180
109	47.03	-0.02	0.0228	5.5555	0.0195	5.5555	0.7425	0.8567	0.0743	0.4422	0.0865	0.5174
110	47.19	-0.02	0.0424	5.5555	0.0315	5.5555	0.6551	0.8655	0.0745	0.4476	0.0861	0.5172
111	47.36	-0.01	0.0404	5.5555	0.0264	5.5555	0.6535	0.8708	0.0727	0.4494	0.0835	0.5161
112	47.53	-0.01	0.0458	5.5555	0.0316	5.5555	0.6930	0.8692	0.0729	0.4470	0.0838	0.5143
113	47.70	0.01	0.0424	5.5555	0.0302	5.5555	0.6240	0.8772	0.0720	0.4526	0.0821	0.5160
114	47.88	-0.00	0.0511	5.5555	0.0326	5.5555	0.6360	0.8755	0.0725	0.4503	0.0828	0.5143
115	48.06	0.00	0.0255	5.5555	0.0207	5.5555	0.7017	0.8437	0.0743	0.4356	0.0880	0.5163
116	48.23	0.01	0.0403	5.5555	0.0264	5.5555	0.6551	0.8613	0.0730	0.4535	0.0828	0.5146
117	48.42	0.01	0.0375	5.5555	0.0281	5.5555	0.6980	0.8812	0.0731	0.4518	0.0829	0.5127
118	48.60	0.02	0.0424	5.5555	0.0302	5.5555	0.6240	0.8705	0.0727	0.4459	0.0835	0.5122
119	48.77	0.00	0.0430	5.5555	0.0265	5.5555	0.6163	0.8401	0.0719	0.4321	0.0856	0.5143
120	48.93	0.02	0.0424	5.5555	0.0291	5.5555	0.6012	0.8346	0.0710	0.4282	0.0856	0.5134
121	49.10	0.02	0.0375	5.5555	0.0250	5.5555	0.6667	0.8432	0.0717	0.4328	0.0850	0.5133
122	49.29	0.03	0.0538	5.5555	0.0326	5.5555	0.6047	0.8403	0.0705	0.4307	0.0839	0.5126
123	49.46	0.03	0.0470	5.5555	0.0285	5.5555	0.6064	0.8222	0.0695	0.4213	0.0845	0.5124
124	49.63	0.03	0.0444	5.5555	0.0261	5.5555	0.5878	0.8274	0.0686	0.4230	0.0832	0.5132
125	49.85	0.03	0.0615	5.5555	0.0367	5.5555	0.5929	0.8201	0.0704	0.4200	0.0858	0.5121
126	50.02	0.02	0.0540	5.5555	0.0307	5.5555	0.5805	0.8244	0.0702	0.4214	0.0851	0.5112
127	50.20	0.05	0.0725	5.5555	0.0406	5.5555	0.5557	0.8108	0.0693	0.4140	0.0854	0.5106
128	50.38	0.06	0.0575	5.5555	0.0337	5.5555	0.5826	0.8079	0.0692	0.4104	0.0856	0.5080
129	50.54	0.05	0.0765	5.5555	0.0427	5.5555	0.5533	0.8172	0.0690	0.4162	0.0844	0.5093
130	50.71	0.05	0.0525	5.5555	0.0254	5.5555	0.5800	0.8034	0.0694	0.4101	0.0864	0.5105
131	50.88	0.06	0.0642	5.5555	0.0352	5.5555	0.5449	0.8006	0.0691	0.4081	0.0863	0.5099
132	51.03	0.06	0.0616	5.5555	0.0345	5.5555	0.5647	0.8052	0.0691	0.4113	0.0858	0.5108
133	51.23	0.06	0.0525	5.5555	0.0285	5.5555	0.5505	0.8064	0.0689	0.4096	0.0854	0.5079
134	51.41	0.06	0.0575	5.5555	0.0315	5.5555	0.5440	0.8159	0.0682	0.4147	0.0836	0.5083
135	51.58	0.05	0.0575	5.5555	0.0303	5.5555	0.5233	0.8138	0.0688	0.4148	0.0843	0.5083
136	51.77	0.03	0.0612	5.5555	0.0364	5.5555	0.5417	0.8132	0.0676	0.4122	0.0831	0.5065
137	51.92	0.04	0.0605	5.5555	0.0327	5.5555	0.5405	0.8053	0.0678	0.4087	0.0842	0.5075
138	52.11	0.06	0.0605	5.5555	0.0316	5.5555	0.5223	0.8224	0.0669	0.4150	0.0813	0.5046

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH-AXIC-E PHI CNCF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
7 156 0.50 1.7 0.0 0.0011 0.0 0 -20 0 -20 UNKNOWN												
PCINT	ALPHA	BETA	LNFB	CH3	CH3	PCPF3	YCPF3	CNF4	CH4	CH4	ACPF4	YCPF4
139	52.26	0.04	0.0788	0.9999	0.0405	0.9999	0.5339	0.0132	0.0669	0.4105	0.0822	0.5053
140	52.41	0.04	0.0855	0.9999	0.0308	0.9999	0.5238	0.0211	0.0657	0.4130	0.0800	0.5030
141	52.59	0.02	0.0873	0.9999	0.0348	0.9999	0.5171	0.0165	0.0645	0.4114	0.0794	0.5036
142	52.76	0.06	0.0899	0.9999	0.0372	0.9999	0.5322	0.0288	0.0657	0.4157	0.0793	0.5017
143	52.92	0.06	0.0882	0.9999	0.0365	0.9999	0.5321	0.0257	0.0655	0.4143	0.0791	0.5018
144	53.09	0.04	0.0712	0.9999	0.0385	0.9999	0.5463	0.0272	0.0655	0.4144	0.0792	0.5010
145	53.24	0.07	0.0711	0.9999	0.0385	0.9999	0.5387	0.0250	0.0649	0.4145	0.0783	0.5000
146	53.42	0.04	0.0671	0.9999	0.0385	0.9999	0.5410	0.0339	0.0642	0.4159	0.0770	0.4987
147	53.58	0.06	0.0845	0.9999	0.0348	0.9999	0.5364	0.0427	0.0644	0.4194	0.0764	0.4983
148	53.74	0.02	0.0871	0.9999	0.0353	0.9999	0.5261	0.0323	0.0635	0.4174	0.0768	0.5015
149	53.90	0.02	0.0858	0.9999	0.0348	0.9999	0.5256	0.0448	0.0632	0.4210	0.0748	0.4983
150	54.06	0.03	0.0858	0.9999	0.0378	0.9999	0.5402	0.0550	0.0646	0.4254	0.0758	0.4975
151	54.22	0.07	0.0816	0.9999	0.0327	0.9999	0.5308	0.0648	0.0631	0.4253	0.0729	0.4964
152	54.38	0.04	0.0710	0.9999	0.0388	0.9999	0.5155	0.0673	0.0640	0.4318	0.0738	0.4976
153	54.53	0.04	0.0710	0.9999	0.0388	0.9999	0.5155	0.0769	0.0631	0.4365	0.0715	0.4982
154	54.70	0.04	0.0803	0.9999	0.0353	0.9999	0.5168	0.0783	0.0633	0.4364	0.0721	0.4965
155	54.84	0.03	0.0848	0.9999	0.0357	0.9999	0.5344	0.0817	0.0625	0.4377	0.0709	0.4964
156	54.99	0.03	0.0842	0.9999	0.0353	0.9999	0.5280	0.0819	0.0620	0.4388	0.0703	0.4976
157	55.15	0.02	0.0853	0.9999	0.0250	0.9999	0.5151	0.0916	0.0618	0.4465	0.0685	0.4957
158	55.30	0.01	0.0842	0.9999	0.0353	0.9999	0.5187	0.0788	0.0615	0.4373	0.0700	0.4976
159	55.46	0.00	0.0801	0.9999	0.0315	0.9999	0.5308	0.0942	0.0612	0.4440	0.0684	0.4965
160	55.60	0.03	0.0823	0.9999	0.0342	0.9999	0.5119	0.0904	0.0593	0.4425	0.0666	0.4974
161	55.77	0.07	0.0802	0.9999	0.0314	0.9999	0.5216	0.0852	0.0605	0.4405	0.0683	0.4981
162	55.92	0.03	0.0808	0.9999	0.0318	0.9999	0.5406	0.0906	0.0601	0.4465	0.0667	0.4958
163	56.08	0.03	0.0808	0.9999	0.0313	0.9999	0.5323	0.0936	0.0601	0.4479	0.0665	0.4957
164	56.24	0.00	0.0873	0.9999	0.0311	0.9999	0.5428	0.0934	0.0588	0.4441	0.0658	0.4971
165	56.40	0.02	0.0801	0.9999	0.0330	0.9999	0.5491	0.0974	0.0576	0.4512	0.0635	0.4972
166	56.54	0.01	0.0821	0.9999	0.0288	0.9999	0.5469	0.0916	0.0570	0.4484	0.0632	0.4973
167	56.70	0.02	0.0801	0.9999	0.0301	0.9999	0.5412	0.0960	0.0575	0.4516	0.0634	0.4985
168	56.85	0.02	0.0840	0.9999	0.0354	0.9999	0.5531	0.0905	0.0562	0.4517	0.0618	0.4966
169	56.99	0.00	0.0874	0.9999	0.0312	0.9999	0.5438	0.0944	0.0570	0.4457	0.0630	0.4972
170	57.15	0.04	0.0808	0.9999	0.0274	0.9999	0.5514	0.0917	0.0555	0.4566	0.0605	0.4978
171	57.23	0.04	0.0853	0.9999	0.0252	0.9999	0.5476	0.0942	0.0552	0.4546	0.0604	0.4973
172	57.43	0.06	0.0853	0.9999	0.0254	0.9999	0.5507	0.0935	0.0552	0.4641	0.0590	0.4961
173	57.59	0.08	0.0834	0.9999	0.0282	0.9999	0.5581	0.0949	0.0545	0.4701	0.0578	0.4952
174	57.74	0.07	0.0853	0.9999	0.0282	0.9999	0.5291	0.0974	0.0551	0.4782	0.0569	0.4943
175	57.90	0.00	0.0875	0.9999	0.0272	0.9999	0.5678	0.0917	0.0549	0.4571	0.0557	0.4976
176	58.05	0.03	0.0848	0.9999	0.0246	0.9999	0.5775	0.0910	0.0534	0.4535	0.0587	0.4983
177	58.17	0.01	0.0879	0.9999	0.0268	0.9999	0.5553	0.0992	0.0542	0.4488	0.0603	0.4991
178	58.19	0.04	0.0808	0.9999	0.0285	0.9999	0.5632	0.0950	0.0549	0.4427	0.0620	0.5002
179	58.20	0.02	0.0848	0.9999	0.0256	0.9999	0.5333	0.0912	0.0546	0.4454	0.0612	0.4998
180	58.19	0.04	0.0823	0.9999	0.0256	0.9999	0.5254	0.0904	0.0534	0.4532	0.0588	0.4985

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (ASRCC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	PHI	CN	CLM	CLY	CLA	CLL	CA	CAB	CAF	XCP
7	1.37	1.00	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PCINT	ALPHA	BETA	CN	CLM	CLY	CLA	CLL	CA	CAB	CAF	XCP
1	-5.12	-0.01	-2.0356	7.4537	0.0150	-0.0357	0.0139	0.5239	0.2696	0.6542	-3.6617
2	-5.73	-0.02	-2.0582	7.4556	0.0170	-0.0622	0.0081	0.4344	0.2726	0.6617	-3.6439
3	-5.73	-0.01	-2.0923	7.7323	0.1128	-0.1317	0.0142	0.5510	0.2700	0.6810	-3.6585
4	-5.73	-0.02	-2.0613	7.6062	0.0225	-0.1256	0.0149	0.5395	0.2685	0.6709	-3.6834
5	-5.86	-0.01	-2.1210	7.6369	0.1126	-0.1314	0.0142	0.5575	0.2636	0.6939	-3.6956
6	-4.54	-0.02	-1.4353	7.5223	0.0342	-0.0005	0.0145	0.5314	0.2406	0.6553	-3.6869
7	-2.77	-0.02	-1.6320	6.6755	0.0507	-0.1148	0.0148	0.6592	0.2312	0.6280	-4.6885
8	-0.99	-0.01	-1.4105	6.2600	0.0674	-0.1286	0.0036	0.8044	0.1975	0.6069	-4.4333
9	0.79	-0.01	-1.1550	5.5825	0.0665	-0.1387	0.0156	0.7425	0.1846	0.5579	-4.6385
10	2.60	-0.01	-0.8630	4.9239	0.1105	-0.1517	0.0159	0.6836	0.1705	0.5131	-5.5765
11	4.37	-0.02	-0.5503	4.2162	0.0610	-0.1456	0.0105	0.6202	0.1600	0.4602	-7.1424
12	6.19	-0.01	-0.2570	3.5220	0.1315	-0.2124	0.0110	0.5607	0.1558	0.4129	-11.6311
13	8.03	-0.01	0.0280	2.7755	0.0576	-0.1608	0.0173	0.5112	0.1611	0.3501	-9.6893
14	9.80	-0.02	0.3342	2.1661	0.0517	-0.0570	0.0178	0.4605	0.1643	0.3043	-6.4494
15	11.67	-0.02	0.6425	1.5776	0.0516	-0.0575	0.0126	0.4152	0.1629	0.2563	-2.4556
16	13.48	-0.02	0.9435	1.0075	-0.0045	-0.0136	0.0075	0.3674	0.1656	0.2218	1.1742
17	15.37	-0.02	1.2532	0.7825	-0.0145	0.0203	0.0084	0.3529	0.1747	0.1762	0.6275
18	17.30	-0.03	1.6362	0.3415	-0.0146	0.2555	0.0144	0.3050	0.1603	0.1255	0.2097
19	19.16	-0.03	2.0165	-0.1376	-0.0155	0.6014	0.0145	0.2765	0.1957	0.0608	-0.0683
20	21.10	-0.02	2.4012	-0.3063	-0.0284	0.2465	-0.0005	0.2140	0.1946	0.0194	-0.2094
21	23.05	-0.04	3.0030	-0.5212	-0.2485	0.7771	-0.0351	0.1553	0.1931	-0.0378	-0.3067
22	25.00	-0.02	3.7251	-1.0530	-0.1681	0.4043	-0.0195	0.0900	0.1924	-0.0958	-0.2628
23	27.01	0.03	4.3545	-1.0645	0.5460	-1.2106	0.0346	0.0436	0.1947	-0.1511	-0.2423
24	28.10	0.05	4.6677	-1.0511	0.8525	-1.9435	0.0675	0.0204	0.2014	-0.1810	-0.2252
25	28.08	0.06	4.5900	-1.0898	0.5582	-2.0765	0.0991	0.0262	0.1999	-0.1737	-0.2374
26	28.05	0.04	4.5578	-1.0682	0.7510	-1.8314	0.0870	0.0193	0.1988	-0.1795	-0.2106
27	28.09	0.06	4.6243	-0.9538	0.5512	-1.5581	0.0877	0.0102	0.2003	-0.1901	-0.2121
28	28.08	0.05	4.6320	-1.0087	0.8005	-1.8723	0.0815	0.0237	0.2022	-0.1785	-0.2178
29	28.42	0.06	4.7175	-1.0040	0.8703	-1.9120	0.0877	0.0184	0.2060	-0.1876	-0.2128
30	28.08	0.07	4.6205	-1.0185	0.5002	-2.0471	0.0884	0.0071	0.2052	-0.1981	-0.2110
31	29.02	0.07	4.5077	-0.9410	0.5364	-1.8515	0.0772	0.0110	0.2052	-0.1942	-0.1895
32	29.34	0.06	5.0035	-0.8504	0.4190	-1.9268	0.0394	-0.0131	0.2044	-0.2175	-0.1752
33	29.62	0.06	5.1176	-0.9335	0.8582	-1.6661	0.0761	-0.0068	0.2066	-0.2134	-0.1803
34	29.89	0.07	5.1705	-0.8027	0.9305	-1.8510	0.0340	-0.0212	0.2060	-0.2272	-0.1666
35	30.18	0.08	5.3255	-0.5382	1.1053	-2.2279	0.1142	-0.0217	0.2040	-0.2257	-0.1758
36	30.45	0.06	5.5937	-0.4414	0.8375	-1.8000	0.0671	-0.0262	0.2060	-0.2322	-0.1745
37	30.72	0.07	5.5310	-0.7535	0.5722	-1.8742	0.0798	-0.0344	0.2068	-0.2392	-0.1362
38	31.01	0.07	5.8241	-0.6057	0.5735	-2.0305	0.1095	-0.0489	0.2040	-0.2529	-0.1219
39	31.29	0.07	5.7558	-0.7432	0.5515	-1.9571	0.0924	-0.0468	0.2060	-0.2526	-0.1291
40	31.56	0.06	5.7539	-0.6721	0.8490	-1.7638	0.0923	-0.0594	0.2011	-0.2605	-0.1160
41	31.83	0.06	5.8741	-0.7174	0.8645	-1.6356	0.0692	-0.0586	0.2045	-0.2631	-0.1221
42	32.12	0.04	6.0041	-0.5751	0.5512	-1.8070	0.0399	-0.0778	0.2022	-0.2800	-0.0558
43	32.35	0.05	5.5151	-0.5517	0.7397	-1.9300	0.0808	-0.0894	0.1868	-0.2762	-0.1000
44	32.61	0.03	6.0575	-0.5124	0.4261	-0.7390	0.0166	-0.0918	0.1940	-0.2804	-0.0939
45	32.88	0.04	6.1710	-0.5733	0.6015	-1.1172	0.0290	-0.1016	0.1925	-0.2541	-0.0929
46	33.15	0.01	6.3511	-0.5554	0.1612	-0.2043	-0.0063	-0.1140	0.1925	-0.3101	-0.0538

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME AXIC-6											
7 137 1.00 1.7 0.0 8140F11 C.C J -20 0 -20 UNKNOWN											
PLINT	ALPHA	BETA	LN	CLN	CV	CLN	CLL	CA	CAB	CAF	XCP
47	35.39	0.02	0.4033	-0.0424	0.3615	-0.6504	0.0235	-0.1254	0.1926	-0.3162	-0.0994
48	35.60	0.02	0.4166	-0.1454	0.3275	-0.4554	0.0304	-0.1247	0.1928	-0.3235	-0.1126
49	35.90	0.03	0.7249	-0.0775	0.4500	-0.5870	0.0656	-0.1324	0.1588	-0.3312	-0.1008
50	36.14	0.07	0.7719	-0.7900	0.4602	-1.4712	0.1429	-0.1209	0.2142	-0.3351	-0.1167
51	36.41	0.04	0.0302	-0.0235	0.6130	-1.1399	0.1014	-0.1276	0.1997	-0.3273	-0.0913
52	36.60	0.04	0.0211	-0.3458	0.4198	-1.2275	0.1169	-0.1398	0.1959	-0.3357	-0.0800
53	36.88	0.06	0.9152	-0.450E	0.8118	-1.5001	0.1451	-0.1457	0.1896	-0.3353	-0.0652
54	36.14	0.05	0.0716	-0.4760	0.7022	-1.3063	0.1319	-0.1533	0.2015	-0.3548	-0.0676
55	35.39	0.06	0.7330	-0.7300	0.8620	-1.5884	0.1735	-0.1470	0.2052	-0.3522	-0.1015
56	35.63	0.06	0.2918	-0.0250	0.0713	-1.5701	0.1506	-0.1651	0.2013	-0.3644	-0.0863
57	35.86	0.06	0.7373	-0.4638	0.7695	-1.4236	0.1159	-0.1697	0.2059	-0.3756	-0.0629
58	36.10	0.05	0.4313	-0.4788	0.7202	-1.2516	0.1100	-0.1903	0.1934	-0.3637	-0.0644
59	36.33	0.06	0.5122	-0.3554	0.6787	-1.0456	0.1458	-0.1775	0.2035	-0.3814	-0.0758
60	36.57	0.04	0.0418	-0.0155	0.5177	-0.7750	0.0752	-0.1997	0.1927	-0.3924	-0.0805
61	36.81	0.05	0.0147	-0.3522	0.6640	-1.3103	0.1261	-0.2017	0.1630	-0.3817	-0.0690
62	37.04	0.04	0.0943	-0.4311	0.0204	-1.2392	0.1341	-0.2219	0.1733	-0.3552	-0.0560
63	37.29	0.04	0.0126	-0.3033	0.3341	-1.0501	0.0939	-0.2206	0.1624	-0.4050	-0.0737
64	37.51	0.04	0.0018	-0.4400	0.0420	-1.1302	0.1175	-0.2414	0.1605	-0.4219	-0.0566
65	37.74	0.03	0.0704	-0.7255	0.5168	-0.5690	0.1003	-0.2397	0.1652	-0.4259	-0.0859
66	37.99	0.05	0.1713	-0.7155	0.7037	-1.3100	0.1240	-0.2341	0.1679	-0.4220	-0.0881
67	38.22	0.05	0.2572	-0.7025	0.7155	-1.3292	0.1190	-0.2366	0.1616	-0.4182	-0.0924
68	38.45	0.04	0.0211	-0.7127	0.7052	-1.2803	0.1251	-0.2495	0.1762	-0.4277	-0.0856
69	38.67	0.03	0.3655	-0.8450	0.5312	-1.1142	0.0839	-0.2607	0.1658	-0.4265	-0.1010
70	38.89	0.04	0.4474	-0.7777	0.6350	-1.2321	0.0903	-0.2601	0.1737	-0.4356	-0.0921
71	39.11	0.05	0.0171	-0.0350	0.7181	-1.3123	0.1259	-0.2649	0.1698	-0.4347	-0.0985
72	39.32	0.03	0.5446	-0.0840	0.5165	-0.5604	0.0760	-0.2673	0.1708	-0.4501	-0.0778
73	39.54	0.04	0.7240	-0.0400	0.6065	-1.1270	0.1323	-0.2643	0.1711	-0.4554	-0.0973
74	39.74	0.02	0.8038	-0.0000	0.4395	-1.0267	0.0905	-0.2949	0.1649	-0.4557	-0.0910
75	39.96	0.04	0.0140	-0.7035	0.6231	-1.1035	0.1044	-0.2670	0.1674	-0.4544	-0.0889
76	40.17	0.03	0.0140	-0.7154	0.4530	-1.0236	0.0510	-0.3109	0.1594	-0.4702	-0.0802
77	40.35	0.03	0.9760	-0.7345	0.4588	-1.0800	0.0750	-0.3084	0.1640	-0.4723	-0.0819
78	40.56	0.04	0.0270	-0.0264	0.5307	-0.9754	0.1051	-0.2909	0.1704	-0.4692	-0.0912
79	40.80	0.03	0.2580	-0.5534	0.4405	-1.0116	0.0531	-0.3127	0.1697	-0.4824	-0.1025
80	40.98	0.03	0.2379	-0.0750	0.4500	-0.8790	0.0823	-0.3143	0.1587	-0.4725	-0.0735
81	41.20	0.03	0.3046	-0.7567	0.4334	-0.9334	0.0591	-0.3136	0.1629	-0.4764	-0.0813
82	41.38	0.03	0.2054	-0.7738	0.3532	-0.9581	0.0944	-0.2952	0.1636	-0.4587	-0.0833
83	41.57	0.03	0.3231	-0.7760	0.6792	-0.8501	0.1063	-0.3030	0.1691	-0.4726	-0.0834
84	41.77	0.03	0.4040	-0.7251	0.5293	-1.0258	0.0710	-0.3117	0.1716	-0.4627	-0.0771
85	41.98	0.03	0.5572	-0.7056	0.4560	-0.5693	0.0604	-0.3241	0.1637	-0.4848	-0.0735
86	42.10	0.04	0.6739	-0.0423	0.6520	-0.5360	0.0901	-0.3295	0.1655	-0.4650	-0.0718
87	42.37	0.02	0.7520	-0.0023	0.4521	-1.0653	0.0435	-0.3048	0.1686	-0.4735	-0.0823
88	42.54	0.03	0.7310	-0.7371	0.4703	-0.0317	0.0699	-0.3196	0.1610	-0.4615	-0.0757
89	42.73	0.03	0.8088	-0.4664	0.4553	-0.8317	0.0555	-0.3311	0.1610	-0.4521	-0.0676
90	42.91	0.02	0.9154	-0.7477	0.4375	-0.9075	0.0557	-0.3309	0.1505	-0.4554	-0.0754
91	43.09	0.04	0.4443	-0.5104	0.4693	-0.5071	0.0552	-0.3236	0.1610	-0.4646	-0.0511
92	43.26	0.02	0.4568	-0.4350	0.4381	-0.8872	0.0620	-0.3250	0.1625	-0.4675	-0.0438

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF FX10-6			PHI	LCRF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7			137	1.00	1.7	C.C. B10F11	0.0	0	-20	0	-20	UNKNOWN
FLINT	ALPHA	BETA	CN	CLM	CV	CLA	CLL	CA	CAB	CAF	XCP	
93	43.46	0.02	10.1026	-0.7367	0.3735	-0.7157	0.0564	-0.3372	0.1641	-0.5013	-0.0729	
94	43.65	0.02	10.2313	-0.4420	0.4580	-0.0390	0.0600	-0.3320	0.1508	-0.4914	-0.0438	
95	43.80	0.01	10.3221	-0.8041	0.3444	-0.2573	0.0517	-0.3300	0.1580	-0.4886	-0.0555	
96	44.01	0.01	10.5005	-0.6416	0.3285	-0.3340	0.0807	-0.3332	0.1590	-0.4922	-0.0611	
97	44.17	0.00	10.3715	-0.6532	0.2761	-0.3454	0.0684	-0.3414	0.1540	-0.4954	-0.0669	
98	44.35	0.01	10.3803	-0.5551	0.4110	-0.6450	0.0521	-0.3427	0.1491	-0.4918	-0.0396	
99	44.55	-0.00	10.5423	-0.7245	0.2602	-0.5550	0.0634	-0.3400	0.1544	-0.4944	-0.0687	
100	44.75	0.01	10.5544	-0.7593	0.3401	-0.6713	0.0634	-0.3334	0.1651	-0.4985	-0.0716	
101	44.93	0.00	10.6053	-0.6463	0.2320	-0.7265	0.0700	-0.3321	0.1619	-0.4940	-0.0568	
102	45.10	-0.00	10.5220	-0.7805	0.2324	-0.4685	0.0705	-0.3433	0.1508	-0.4941	-0.0720	
103	45.28	0.00	10.6020	-0.4742	0.3234	-0.8505	0.0592	-0.3311	0.1535	-0.4880	-0.0439	
104	45.47	0.01	10.7940	-0.3530	0.2055	0.4127	0.0733	-0.3101	0.1602	-0.4762	-0.0328	
105	45.65	0.01	11.0730	-0.8350	0.3321	-0.2432	0.0706	-0.3248	0.1621	-0.4865	-0.0754	
106	45.82	0.02	11.1200	-0.4915	0.4346	-0.4012	0.0599	-0.3234	0.1539	-0.4823	-0.0442	
107	46.00	0.01	11.1466	-0.5710	0.2510	-0.0494	0.0706	-0.3276	0.1586	-0.4862	-0.0513	
108	46.18	0.01	11.2920	-0.4443	0.3042	-0.0504	0.0710	-0.3402	0.1501	-0.5023	-0.0393	
109	46.35	0.01	11.1266	-0.1536	0.2402	0.1648	0.0672	-0.3290	0.2100	-0.5078	-0.0138	
110	46.51	-0.00	11.2973	-0.4246	0.1400	0.3024	0.0642	-0.2945	0.1957	-0.4902	-0.0376	
111	46.65	0.01	11.3148	-0.4581	0.2460	0.3131	0.0583	-0.2526	0.2472	-0.4995	-0.0405	
112	46.88	0.01	11.3237	-0.4780	0.2107	0.5742	0.0573	-0.2512	0.2416	-0.4989	-0.0423	
113	47.04	0.01	11.4470	-0.6721	0.2365	0.6115	0.0575	-0.2364	0.2626	-0.4951	-0.0587	
114	47.22	0.01	11.6370	-1.1358	0.1942	0.4914	0.0445	-0.2230	0.2680	-0.5111	-0.0979	
115	47.39	0.03	11.6835	-1.3516	0.2507	1.2208	0.0382	-0.1427	0.3240	-0.4666	-0.1163	
116	47.58	0.03	11.7479	-1.6235	0.4620	1.1444	-0.0130	-0.1125	0.3404	-0.4528	-0.1382	
117	47.75	0.04	11.8483	-1.7708	0.3525	1.2545	-0.0020	-0.1164	0.3500	-0.4663	-0.1495	
118	47.91	0.04	11.9222	-1.9262	0.5526	1.0584	-0.0132	-0.1034	0.3604	-0.4637	-0.1615	
119	48.10	0.04	12.0123	-2.0269	0.4553	1.4016	-0.0313	-0.1163	0.3731	-0.4894	-0.2316	
120	48.27	0.04	12.0947	-2.0816	0.4503	1.3033	-0.0247	-0.1007	0.3705	-0.4711	-0.2181	
121	48.44	0.04	12.3020	-2.7154	0.4789	1.5617	-0.0315	-0.1241	0.3823	-0.4864	-0.2207	
122	48.64	0.04	12.5406	-2.9611	0.5123	1.7366	-0.0250	-0.1338	0.3530	-0.4526	-0.2313	
123	48.78	0.03	12.4670	-2.8130	0.4202	1.7248	-0.0316	-0.1614	0.3501	-0.5115	-0.2256	
124	48.96	0.04	12.5090	-2.9423	0.5123	1.7366	-0.0257	-0.1439	0.3549	-0.4508	-0.2346	
125	49.14	0.04	12.6551	-2.9256	0.4413	1.7627	-0.0255	-0.1740	0.3311	-0.5051	-0.2315	
126	49.31	0.04	12.7125	-2.7774	0.4570	1.6844	-0.0151	-0.1749	0.3280	-0.5029	-0.2185	
127	49.48	0.04	12.6578	-2.7035	0.4856	1.6836	-0.0191	-0.1774	0.3295	-0.5073	-0.2177	
128	49.66	0.03	12.9907	-3.0173	0.4224	1.4080	-0.0112	-0.1708	0.3158	-0.4806	-0.2323	
129	49.83	0.01	12.8500	-2.7443	0.1792	1.6693	-0.0186	-0.2307	0.3184	-0.5471	-0.2182	
130	50.01	0.02	13.0440	-2.9575	0.3063	1.5450	0.0117	-0.1672	0.3440	-0.5112	-0.2299	
131	50.18	0.01	13.0712	-3.0613	0.2318	1.5088	0.0293	-0.1695	0.3614	-0.5109	-0.2342	
132	50.35	0.01	12.9105	-2.7512	0.2271	1.4078	0.0295	-0.2014	0.3295	-0.5309	-0.2131	
133	50.53	0.02	13.1416	-3.0265	0.3100	1.3505	0.0244	-0.1863	0.3183	-0.5046	-0.2304	
134	50.60	0.01	12.9277	-2.9511	0.2910	0.9054	0.0399	-0.1937	0.3224	-0.5161	-0.2314	
135	50.82	0.00	12.6754	-2.9751	0.1836	1.0384	0.0477	-0.2108	0.3197	-0.5365	-0.2035	
136	50.90	0.00	12.9420	-1.7352	0.2303	0.9550	0.0551	-0.2177	0.3227	-0.5404	-0.1406	
137	51.16	0.01	12.7174	-2.1682	0.4361	0.6771	0.0667	-0.1822	0.3430	-0.5252	-0.1705	
138	51.31	-0.01	12.7500	-2.1716	0.2814	0.7515	0.0604	-0.1692	0.3555	-0.5247	-0.1708	

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RX10-6			PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	137	1.00	1.7	0.0	0.100	0.0	0	-20	0	-20	UNKNOWN
PLINT	ALPHA	BETA	CM	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP
139	51.40	0.01	12.6056	-1.9870	0.3507	0.7160	0.0607	-0.1542	0.3589	-0.5131	-0.1576
140	51.65	-0.02	12.6134	-2.1202	0.1620	0.6247	0.0556	-0.1443	0.3759	-0.5202	-0.1659
141	51.80	0.00	12.7721	-2.1103	0.3655	0.6032	0.0617	-0.1470	0.3661	-0.5131	-0.1652
142	51.99	-0.00	12.6754	-1.8656	0.3144	0.9308	0.0613	-0.1017	0.3747	-0.4763	-0.1449
143	52.15	-0.00	12.6750	-1.7422	0.3057	0.8294	0.0564	-0.0676	0.3939	-0.4615	-0.1342
144	52.32	-0.00	12.6750	-1.6422	0.2450	0.8772	0.0560	-0.0936	0.3871	-0.4607	-0.1275
145	52.55	0.00	12.6255	-1.5570	0.3116	0.6295	0.0509	-0.1001	0.4070	-0.5071	-0.1245
146	52.72	-0.01	12.6946	-1.7261	0.2024	0.6774	0.0511	-0.0900	0.4003	-0.4904	-0.1339
147	52.89	-0.02	13.1427	-2.1254	0.1310	0.7135	0.0575	-0.0694	0.4011	-0.4966	-0.1620
148	53.06	-0.01	12.6906	-1.7142	0.1751	0.8591	0.0508	-0.0740	0.4120	-0.4861	-0.1320
149	53.22	-0.01	13.0644	-1.6825	0.1656	0.7500	0.0572	-0.0793	0.4096	-0.4850	-0.1441
150	53.38	-0.00	12.5149	-1.7921	0.2640	0.6719	0.0510	-0.1020	0.4025	-0.5053	-0.1380
151	53.54	-0.01	13.0858	-1.8581	0.1492	0.5987	0.0579	-0.0973	0.4262	-0.5235	-0.1420
152	53.70	-0.01	12.5152	-1.6595	0.3787	0.5030	0.0515	-0.0909	0.3995	-0.4984	-0.1424
153	53.86	-0.01	13.3520	-2.1556	0.2670	0.4917	0.0531	-0.0682	0.4350	-0.5239	-0.1645
154	54.02	-0.01	13.1008	-2.0266	0.1615	0.5008	0.0527	-0.1019	0.4187	-0.5206	-0.1538
155	54.18	-0.01	13.1511	-2.2414	0.2325	0.5537	0.0579	-0.0959	0.3940	-0.4900	-0.1704
156	54.34	-0.02	13.2055	-2.2755	0.1920	0.4794	0.0527	-0.0900	0.4219	-0.5239	-0.1723
157	54.50	-0.02	13.0950	-2.1385	0.1305	0.4637	0.0520	-0.1000	0.4106	-0.5106	-0.1633
158	54.65	-0.02	13.2949	-2.5117	0.1702	0.5209	0.0547	-0.0983	0.4106	-0.5069	-0.1885
159	54.81	-0.04	13.2628	-2.3314	0.0355	0.5311	0.0529	-0.1050	0.4028	-0.5124	-0.1758
160	54.95	-0.04	13.2401	-2.2566	0.1801	0.4780	0.0471	-0.1074	0.4099	-0.5173	-0.1704
161	55.14	-0.00	13.4555	-2.5207	0.3754	0.4805	0.0417	-0.0998	0.4023	-0.5021	-0.1868
162	55.26	-0.03	13.0325	-1.9267	0.1743	0.3695	0.0413	-0.1141	0.3013	-0.4954	-0.1480
163	55.44	-0.03	13.2524	-2.3311	0.1280	0.4224	0.0474	-0.1075	0.3922	-0.4957	-0.1759
164	55.62	-0.05	13.4787	-2.6305	0.0265	0.3919	0.0426	-0.1050	0.3758	-0.4807	-0.1952
165	55.75	-0.03	13.1627	-2.0764	0.1021	0.3696	0.0552	-0.1336	0.3739	-0.5075	-0.1577
166	55.93	-0.04	13.5156	-2.6867	0.1652	0.3474	0.0403	-0.1273	0.3734	-0.5012	-0.1989
167	56.09	-0.04	13.3240	-2.1957	0.1031	0.3691	0.0593	-0.1607	0.3606	-0.5013	-0.1651
168	56.25	-0.03	13.6208	-2.6158	0.2302	0.1955	0.0552	-0.1458	0.3504	-0.4967	-0.1920
169	56.42	-0.06	13.6436	-2.2253	-0.0033	0.2100	0.0496	-0.2158	0.3457	-0.5015	-0.1634
170	56.61	-0.05	14.0253	-2.4576	0.0610	0.0507	0.0634	-0.2426	0.3248	-0.5674	-0.1781
171	56.75	-0.06	13.6215	-2.3575	0.0525	-0.2635	0.0573	-0.2279	0.3256	-0.5535	-0.1706

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXLIC-E				PHI		CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7 137 1.00 1.7				0.0 0.0001		C.C		0		-20		0		-20		UNKNOWN	
PLANT	ALPHA	BETA	CONF1	CM1	CB1	XCONF1	YCONF1	CONF2	CF2	CB2	XCONF2	YCONF2					
1	-5.72	-0.01	-0.0434	C.0033	C.0155	-0.0760	-0.3371	-1.0094	-0.0530	-0.5348	C.0525	0.5298					
2	-5.73	-0.02	-0.0457	C.0026	C.0141	-0.0509	-0.3085	-0.9055	-0.0458	-0.5208	C.0505	0.5285					
3	-5.73	-0.01	-0.0448	C.0031	C.0153	-0.0675	-0.3430	-1.0485	-0.0549	-0.5545	0.0523	0.5289					
4	-5.73	-0.02	-0.0450	C.0027	C.0151	-0.0504	-0.3297	-1.0260	-0.0523	-0.5411	0.0510	0.5274					
5	-5.80	-0.01	-0.0423	C.0037	0.0167	-0.0674	-0.3348	-1.0345	-0.0604	-0.5458	0.0584	0.5315					
6	-6.09	-0.02	-0.0410	C.0040	0.0163	-0.0475	-0.3970	-0.9910	-0.0655	-0.5399	0.0600	0.5449					
7	-2.77	-0.02	-0.0382	C.0040	C.0150	-0.1044	-0.3916	-0.8654	-0.0792	-0.4675	0.0915	0.5633					
8	-0.99	-0.01	-0.0313	C.0055	0.0180	-0.1757	-0.5751	-0.7699	-0.0850	-0.4461	0.1104	0.5794					
9	0.79	-0.01	-0.0404	C.0024	0.0124	-0.0594	-0.3089	-0.8587	-0.0815	-0.3918	C.1237	0.5548					
10	2.60	-0.01	-0.0350	C.0040	C.0131	-0.1123	-0.3600	-0.5305	-0.0740	-0.3444	C.1355	0.6492					
11	4.37	-0.02	-0.0334	C.0032	C.0155	-0.0558	-0.4760	-0.4010	-0.0630	-0.2714	C.1571	0.6768					
12	6.19	-0.01	-0.0350	C.0020	C.0101	-0.0559	-0.4497	-0.2904	-0.0512	-0.2107	0.1763	C.7256					
13	8.03	-0.01	-0.0305	C.0028	0.0161	-0.0506	-0.5210	-0.1622	-0.0391	-0.1554	0.2145	C.8745					
14	9.80	-0.02	-0.0203	C.0041	0.0195	-0.1448	-0.5977	-0.0607	-0.0281	-0.1120	0.3167	1.2627					
15	11.67	-0.02	-0.0259	C.0028	C.0141	-0.0555	-0.4812	0.0006	-0.0171	-0.0088	-26.4924	-114.8670					
16	13.48	-0.02	-0.0303	C.0029	0.0163	-0.1057	-0.1045	0.0676	-0.0002	-0.0360	-0.0030	-0.5325					
17	15.37	-0.02	-0.0394	C.0019	0.0050	-0.0482	-0.1621	0.1258	0.0241	-0.0055	C.1915	-0.0755					
18	17.30	-0.03	-0.0507	C.0008	0.0013	-0.0130	-0.0221	0.1859	0.0429	0.0201	0.2307	C.1081					
19	19.16	-0.03	-0.0700	-0.0001	-0.0040	0.0013	0.0513	0.2402	0.0592	0.0512	0.2404	0.2080					
20	21.10	-0.03	-0.0757	-0.0101	-0.0165	0.1334	0.2100	0.3110	0.0697	0.0889	0.2105	0.2686					
21	23.05	-0.04	-0.1814	-0.0230	-0.0005	C.1266	0.4460	0.3836	0.0796	0.1202	0.2075	C.3133					
22	25.00	-0.02	-0.1350	-0.0207	-0.0025	0.1409	0.4525	0.4777	0.0012	0.1659	0.1699	0.3473					
23	27.01	C.03	-0.2221	C.0351	C.1160	C.1552	0.5130	0.6362	0.0633	0.2452	0.1309	C.3854					
24	29.10	0.05	C.3111	C.0406	C.1575	C.1490	0.5070	0.6520	0.0658	0.2542	0.1316	0.3895					
25	28.08	0.06	C.2632	C.0545	C.1525	C.1552	0.5016	0.6628	0.0850	0.2605	C.1282	0.3930					
26	28.09	0.04	C.3125	C.0401	C.1501	0.1447	0.4904	0.6521	0.0851	0.2531	0.1305	C.3681					
27	28.09	0.06	-0.2656	C.0417	C.1451	C.1455	0.5007	0.6520	0.0860	0.2531	0.1315	C.3882					
28	26.08	0.05	C.3257	C.0406	C.1600	C.1400	0.4912	0.6597	0.0855	0.2560	0.1306	0.3510					
29	26.42	0.06	C.3500	C.0527	C.1722	C.1505	0.4920	0.6640	0.0862	0.2633	C.1298	0.3983					
30	26.68	0.07	C.3530	C.0546	C.1722	C.1544	0.4670	0.6675	0.0875	0.2653	C.1307	C.3972					
31	29.02	0.07	C.3325	C.0522	0.1597	C.1508	0.4797	0.6757	0.0883	0.2735	0.1306	C.4048					
32	29.34	0.06	C.2475	C.0377	C.1407	C.1265	0.4992	0.6710	0.0893	0.2705	C.1329	0.4028					
33	29.62	0.06	0.3015	C.0415	C.1475	C.1377	0.4907	0.6808	C.0901	0.2773	0.1323	C.4073					
34	29.89	0.07	C.2700	0.0554	C.1350	0.1262	0.4913	0.6701	C.0907	0.2760	0.1337	C.4070					
35	30.18	C.08	0.3541	C.0454	0.1013	C.1395	0.5120	0.6915	0.0909	0.2836	0.1314	C.4101					
36	30.45	0.06	C.2400	C.0350	0.1170	C.1470	0.4804	0.6908	0.0917	0.2852	C.1316	0.4093					
37	30.72	0.07	C.3055	C.0420	0.1310	C.1373	0.4956	0.7078	0.0912	0.2919	0.1289	C.4120					
38	31.01	0.07	C.3127	C.0417	C.1570	C.1333	0.5040	0.7022	C.0900	0.2910	0.1290	0.4144					
39	31.29	0.07	0.3157	C.0433	0.1623	C.1371	0.5141	0.7128	C.0916	0.2973	0.1283	0.4171					
40	31.50	0.08	0.2703	C.0351	C.1452	0.1405	0.5217	0.7128	0.0922	0.2952	0.1253	C.4141					
41	31.83	C.06	C.2624	C.0374	C.1333	C.1425	C.5080	0.7268	0.0923	0.3057	0.1266	0.4195					
42	32.12	0.04	0.1024	C.0154	0.0554	C.1490	0.5304	0.7155	0.0949	0.2988	0.1324	0.4170					
43	32.35	C.05	C.2404	C.0475	C.1717	C.1395	0.5044	0.7308	0.0932	0.3091	0.1263	C.4155					
44	32.61	0.05	C.0045	C.0123	C.0325	C.1895	0.5008	0.7392	0.0963	0.3105	0.1302	C.4200					
45	32.88	C.04	C.0750	C.0147	C.0345	C.1944	0.4816	0.7393	0.0959	0.3105	0.1297	C.4200					
46	33.15	0.01	-0.0330	-0.0001	-0.0105	C.0000	0.5592	0.7452	0.0974	0.3114	0.1310	C.4190					

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	REX	DEL1	DEL2	DEL3	DEL4	TRANSITION				
7		1.57	1.00	1.7	0	-20	0	-20	UNKNOWN			
PLINT	ALPHA	BETA	CNFB	CM1	CM1	XCPF1	YCPF1	CNF2	CM2	CB2	XCPF2	YCPF2
47	33.39	0.02	0.0334	0.0088	0.0176	0.2574	0.5269	0.7634	0.0972	0.3207	0.1273	0.4201
48	33.60	0.02	0.0038	0.0020	0.0000	0.7300	0.1579	0.7661	0.0931	0.3204	0.1280	0.4182
49	33.90	0.03	0.1425	0.0195	0.0680	0.1370	0.6184	0.7744	0.0961	0.3243	0.1241	0.4188
50	34.14	0.07	0.3541	0.0555	0.1091	0.1522	0.5340	0.0056	0.0934	0.3361	0.1165	0.4197
51	34.41	0.04	0.2819	0.0447	0.1525	0.1445	0.5510	0.7965	0.0950	0.3339	0.1192	0.4192
52	34.68	0.04	0.2580	0.0364	0.1645	0.1288	0.5520	0.7844	0.0950	0.3265	0.1211	0.4188
53	34.80	0.06	0.3150	0.0402	0.1770	0.1281	0.5541	0.7818	0.0943	0.3267	0.1208	0.4179
54	35.14	0.05	0.2821	0.0346	0.1584	0.1226	0.5615	0.7537	0.0952	0.3308	0.1159	0.4168
55	35.35	0.06	0.3025	0.0423	0.1762	0.1360	0.5814	0.8152	0.0950	0.3418	0.1165	0.4193
56	35.63	0.06	0.3535	0.0464	0.1622	0.1391	0.5405	0.8134	0.0951	0.3397	0.1169	0.4176
57	35.86	0.06	0.2845	0.0372	0.1365	0.1215	0.5266	0.8106	0.0965	0.3435	0.1179	0.4196
58	36.10	0.05	0.2888	0.0318	0.1584	0.1101	0.5485	0.8220	0.0968	0.3455	0.1176	0.4200
59	36.33	0.06	0.3342	0.0415	0.1750	0.1241	0.5374	0.8345	0.0961	0.3513	0.1151	0.4206
60	36.57	0.04	0.2132	0.0251	0.1175	0.1205	0.5511	0.8454	0.0982	0.3561	0.1161	0.4212
61	36.81	0.05	0.2776	0.0326	0.1535	0.1186	0.5526	0.8258	0.0974	0.3454	0.1175	0.4183
62	37.04	0.04	0.2448	0.0279	0.1410	0.1123	0.5760	0.8365	0.0981	0.3501	0.1172	0.4185
63	37.29	0.04	0.1545	0.0195	0.1057	0.1000	0.5629	0.8347	0.0991	0.3594	0.1159	0.4205
64	37.51	0.04	0.2413	0.0257	0.1354	0.1065	0.5611	0.8366	0.0988	0.3485	0.1178	0.4180
65	37.74	0.03	0.1575	0.0223	0.1082	0.1127	0.5366	0.8733	0.0970	0.3673	0.1133	0.4206
66	37.99	0.03	0.2052	0.0242	0.1444	0.1101	0.5400	0.8814	0.0974	0.3707	0.1127	0.4206
67	38.22	0.03	0.2376	0.0242	0.1344	0.1017	0.5652	0.8644	0.0977	0.3722	0.1127	0.4208
68	38.45	0.04	0.2033	0.0180	0.1131	0.0915	0.5563	0.8645	0.0991	0.3711	0.1120	0.4196
69	38.67	0.03	0.1574	0.0180	0.1104	0.0912	0.5593	0.8954	0.0984	0.3784	0.1099	0.4204
70	38.85	0.04	0.2071	0.0204	0.1121	0.0905	0.5415	0.8902	0.0975	0.3755	0.1090	0.4181
71	39.11	0.05	0.2444	0.0415	0.1621	0.1421	0.5499	0.8904	0.0946	0.3697	0.1064	0.4152
72	39.32	0.03	0.1890	0.0148	0.0881	0.0881	0.5195	0.8927	0.0945	0.3724	0.1058	0.4172
73	39.54	0.04	0.2130	0.0225	0.1156	0.1353	0.5605	0.9013	0.0914	0.3741	0.1014	0.4151
74	39.74	0.02	0.1435	0.0105	0.0817	0.0841	0.4764	0.9184	0.0924	0.3824	0.1011	0.4164
75	39.98	0.04	0.1823	0.0252	0.1057	0.1362	0.5796	0.9062	0.0847	0.3697	0.0945	0.4123
76	40.17	0.03	0.1571	0.0175	0.0892	0.1365	0.5947	0.9202	0.0807	0.3606	0.0964	0.4136
77	40.35	0.03	0.1383	0.0155	0.0712	0.1108	0.5148	0.9105	0.0775	0.3772	0.0851	0.4143
78	40.58	0.04	0.1651	0.0252	0.0926	0.1526	0.5609	0.8808	0.0764	0.3660	0.0859	0.4149
79	40.80	0.03	0.1020	0.0130	0.0454	0.1325	0.4425	0.9263	0.0762	0.3835	0.0821	0.4131
80	40.98	0.03	0.1200	0.0170	0.0810	0.1420	0.5058	0.9026	0.0749	0.3732	0.0830	0.4135
81	41.20	0.03	0.1300	0.0205	0.0635	0.1576	0.4915	0.9014	0.0744	0.3708	0.0825	0.4114
82	41.30	0.03	0.1423	0.0233	0.0740	0.1637	0.5242	0.8935	0.0721	0.3652	0.0807	0.4087
83	41.57	0.03	0.1385	0.0371	0.0500	0.2340	0.5716	0.8702	0.0716	0.3537	0.0823	0.4069
84	41.77	0.03	0.1298	0.0208	0.0592	0.1602	0.4607	0.9002	0.0726	0.3728	0.0803	0.4114
85	41.98	0.03	0.1255	0.0195	0.0538	0.1505	0.4154	0.9223	0.0727	0.3799	0.0788	0.4115
86	42.10	0.04	0.1403	0.0237	0.0734	0.1831	0.5374	0.8963	0.0737	0.3674	0.0822	0.4095
87	42.37	0.02	0.0583	0.0141	0.0322	0.1434	0.3276	0.9240	0.0728	0.3803	0.0788	0.4116
88	42.54	0.03	0.1154	0.0215	0.0605	0.1600	0.5100	0.8990	0.0725	0.3703	0.0806	0.4115
89	42.73	0.03	0.0585	0.0152	0.0408	0.1536	0.4732	0.8888	0.0740	0.3645	0.0832	0.4101
90	42.91	0.02	0.1130	0.0177	0.0481	0.1558	0.4234	0.9094	0.0724	0.3733	0.0796	0.4105
91	43.05	0.04	0.0575	0.0164	0.0525	0.1878	0.5403	0.8645	0.0726	0.3499	0.0842	0.4047
92	43.26	0.02	0.1044	0.0161	0.0421	0.1542	0.4033	0.8944	0.0731	0.3655	0.0817	0.4087

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF RX10-6			PHI CNF		DEL1 DEL2		DEL3 DEL4		TRANSITION			
7 137 1.66 1.7			G.C 0.16CF11 G.C		U -20		U -20		UNKNOWN			
PCINT	ALPHA	BETA	CNF1	CNF1	CNF1	ACPF1	YCPF1	CNF2	CNF2	CNF2	XCPF2	YCPF2
93	43.46	0.02	0.0587	0.0166	0.0373	0.1681	0.3779	0.9136	0.0732	0.3747	0.0801	0.4102
94	43.65	0.02	0.0545	0.0143	0.0420	0.1513	0.4444	0.8903	0.0738	0.3625	0.0829	0.4072
95	43.80	0.01	0.0583	0.0183	0.0457	0.1681	0.5056	0.8859	0.0747	0.3638	0.0843	0.4107
96	44.01	0.01	0.0541	0.0162	0.0471	0.1683	0.4901	0.8877	0.0747	0.3636	0.0841	0.4089
97	44.17	0.00	0.0666	0.0122	0.0328	0.1408	0.5768	0.9032	0.0732	0.3706	0.0810	0.4103
98	44.35	0.01	0.0617	0.0132	0.0311	0.1494	0.5046	0.8885	0.0726	0.3607	0.0817	0.4060
99	44.55	0.00	0.0755	0.0134	0.0275	0.1765	0.3623	0.9005	0.0742	0.3683	0.0824	0.4090
100	44.75	0.01	0.0518	0.0162	0.0407	0.1734	0.4434	0.8948	0.0738	0.3637	0.0825	0.4065
101	44.93	0.00	0.0681	0.0137	0.0260	0.1591	0.3020	0.8951	0.0739	0.3656	0.0825	0.4084
102	45.10	0.00	0.0659	0.0135	0.0345	0.1501	0.3882	0.8951	0.0744	0.3663	0.0831	0.4092
103	45.28	0.00	0.0546	0.0160	0.0351	0.1651	0.3710	0.8805	0.0747	0.3594	0.0848	0.4082
104	45.47	0.01	0.0601	0.0122	0.0220	0.2024	0.3081	0.8854	0.0777	0.3546	0.0858	0.4098
105	45.65	0.01	0.0625	0.0150	0.0315	0.1818	0.3318	0.8914	0.0758	0.3632	0.0850	0.4074
106	45.82	0.02	0.0507	0.0114	0.0177	0.2248	0.3491	0.8562	0.0776	0.3480	0.0906	0.4064
107	46.00	0.01	0.0553	0.0105	0.0281	0.1838	0.4739	0.8444	0.0783	0.3415	0.0927	0.4045
108	46.18	0.01	0.0642	0.0116	0.0286	0.1800	0.4455	0.8440	0.0823	0.3420	0.0955	0.4052
109	46.35	0.01	0.0545	0.0107	0.0222	0.1546	0.4044	0.8560	0.0833	0.3463	0.0971	0.4036
110	46.51	0.00	0.0491	0.0058	0.0195	0.1555	0.4053	0.8607	0.0829	0.3476	0.0963	0.4039
111	46.69	0.01	0.0504	0.0116	0.0171	0.2301	0.3393	0.9201	0.0854	0.3746	0.0928	0.4071
112	46.88	0.01	0.0554	0.0202	0.0154	0.3400	0.3266	0.9356	0.0769	0.3783	0.0843	0.4043
113	47.04	0.01	0.0280	0.0205	0.0025	0.7319	0.0893	0.9189	0.0721	0.3691	0.0754	0.4017
114	47.22	0.01	0.0125	0.0128	0.0163	1.0237	1.3340	0.8859	0.0693	0.3508	0.0782	0.3560
115	47.39	0.03	0.0457	0.0058	0.0337	0.1571	0.6781	0.8274	0.0662	0.3227	0.0800	0.3900
116	47.58	0.03	0.0565	0.0080	0.0352	0.1466	0.6055	0.8236	0.0672	0.3232	0.0816	0.3924
117	47.75	0.02	0.0725	0.0114	0.0477	0.1572	0.6379	0.8357	0.0667	0.3231	0.0798	0.3938
118	47.91	0.04	0.0252	0.0115	0.0274	0.3437	0.4304	0.8435	0.0663	0.3341	0.0810	0.3961
119	48.10	0.04	0.0117	0.0137	0.0184	1.1706	1.5726	0.9043	0.0709	0.3648	0.0784	0.4034
120	48.27	0.04	0.0041	0.0088	0.0084	2.1458	2.0468	0.8904	0.0708	0.3582	0.0790	0.3956
121	48.44	0.04	0.0187	0.0141	0.0213	0.7538	1.1390	0.9029	0.0727	0.3604	0.0805	0.3992
122	48.64	0.04	0.0268	0.0170	0.0246	0.6342	0.9179	0.9136	0.0730	0.3651	0.0795	0.3956
123	48.78	0.03	0.0159	0.0130	0.0210	0.7536	1.0553	0.9137	0.0739	0.3614	0.0809	0.3955
124	48.96	0.04	0.0224	0.0150	0.0208	0.6655	0.9266	0.9126	0.0723	0.3580	0.0792	0.3923
125	49.14	0.04	0.0223	0.0173	0.0210	0.7756	0.9417	0.9260	0.0717	0.3666	0.0774	0.3959
126	49.31	0.04	0.0121	0.0151	0.0140	1.3302	1.1570	0.9314	0.0714	0.3671	0.0766	0.3941
127	49.48	0.04	0.0052	0.0160	0.0127	1.6322	1.2959	0.9367	0.0726	0.3686	0.0775	0.3955
128	49.68	0.03	0.0170	0.0112	0.0035	0.6362	0.2216	0.9422	0.0715	0.3712	0.0759	0.3940
129	49.83	0.01	0.0118	0.0224	0.0032	1.8578	0.2712	0.9803	0.0743	0.3920	0.0758	0.3955
130	50.01	0.02	0.0343	0.0160	0.0084	0.2443	0.2395	0.9402	0.0707	0.3722	0.0752	0.3956
131	50.18	0.01	0.0264	0.0117	0.0032	0.4431	0.1212	0.9099	0.0665	0.3560	0.0731	0.3913
132	50.35	0.01	0.0331	0.0087	0.0065	0.2024	0.1304	0.8939	0.0657	0.3471	0.0735	0.3883
133	50.53	0.02	0.0374	0.0052	0.0113	0.1390	0.3021	0.9016	0.0671	0.3553	0.0744	0.3941
134	50.68	0.01	0.0560	0.0015	0.0182	0.0268	0.3250	0.8895	0.0640	0.3466	0.0719	0.3919
135	50.82	0.00	0.0555	0.0005	0.0150	0.0063	0.3172	0.8967	0.0643	0.3346	0.0719	0.3959
136	50.96	0.00	0.0462	0.0012	0.0127	0.0249	0.2635	0.8638	0.0653	0.3391	0.0756	0.3926
137	51.16	0.01	0.0361	0.0065	0.0111	0.1706	0.2913	0.8236	0.0626	0.3199	0.0760	0.3884
138	51.31	0.01	0.0235	0.0052	0.0052	0.2175	0.2176	0.8235	0.0625	0.3226	0.0759	0.3917

PAGE 2 OF 3
SHEET 4 OF 4

PART 1A MISSILE TAILS EFFECTS DATA

TEST PART	FACE	RAIO-6	PHI	CNCF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	137	1.00	1.7	0.0	510011	0.0	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNFI	CHI	CBI	ACPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
139	51.40	0.01	0.0257	0.0034	0.0050	0.1818	0.3330	0.8258	0.0619	0.3252	0.0749	0.3538
140	51.65	-0.02	0.0085	0.0036	-0.0003	0.4234	-0.0353	0.8309	0.0599	0.3275	0.0721	0.3542
141	51.80	0.00	0.0036	0.0034	0.0078	0.2280	0.3305	0.8190	0.0613	0.3250	0.0748	0.3544
142	51.99	-0.00	-0.0053	0.0004	-0.0080	-0.0169	1.5094	0.7919	0.0617	0.3115	0.0775	0.3534
143	52.15	-0.00	-0.0053	-0.0004	-0.0070	0.0150	1.3236	0.7670	0.0622	0.3076	0.0790	0.3505
144	52.32	-0.00	0.0021	0.0004	-0.0022	0.4073	-0.8168	0.7956	0.0616	0.3135	0.0767	0.3540
145	52.55	-0.00	-0.0025	0.0004	-0.0007	-0.0345	2.3103	0.7712	0.0615	0.3044	0.0757	0.3547
146	52.72	-0.01	-0.0030	0.0006	-0.0061	-0.1549	2.0333	0.7713	0.0614	0.3076	0.0750	0.3557
147	52.89	-0.02	0.0052	0.0006	-0.0026	0.1154	-0.5300	0.8056	0.0605	0.3242	0.0747	0.4004
148	53.06	-0.01	-0.0070	0.0004	-0.0087	-0.0132	1.1447	0.7627	0.0619	0.3102	0.0751	0.3563
149	53.22	-0.01	-0.0075	0.0004	-0.0007	-0.0133	1.3733	0.7679	0.0625	0.3139	0.0753	0.3984
150	53.38	-0.00	-0.0001	0.0004	-0.0000	-0.4515	1.4355	0.7907	0.0611	0.3162	0.0773	0.3555
151	53.54	-0.01	-0.0077	0.0004	-0.0052	-0.1258	1.1948	0.7929	0.0618	0.3151	0.0775	0.3574
152	53.70	-0.01	0.0008	0.0004	-0.0015	0.4736	-0.3947	0.8077	0.0606	0.3254	0.0750	0.4025
153	53.88	-0.01	-0.0052	0.0004	-0.0085	-0.1923	1.7115	0.8025	0.0623	0.3223	0.0776	0.4014
154	54.02	-0.01	-0.0122	0.0003	-0.0110	-0.0410	0.9672	0.7914	0.0614	0.3167	0.0776	0.4002
155	54.18	-0.01	-0.0029	0.0003	-0.0071	-0.2000	2.4463	0.8125	0.0605	0.3271	0.0744	0.4024
156	54.34	-0.02	-0.0070	0.0003	-0.0052	-0.0658	1.2103	0.8084	0.0605	0.3259	0.0748	0.4031
157	54.50	-0.02	-0.0165	0.0004	-0.0135	-0.0054	0.8225	0.7979	0.0606	0.3155	0.0762	0.4005
158	54.65	-0.02	-0.0124	0.0004	-0.0062	-0.0404	0.8226	0.8198	0.0602	0.3216	0.0734	0.4045
159	54.81	-0.04	-0.0017	0.0003	-0.0065	-0.5253	4.0588	0.8198	0.0605	0.3308	0.0738	0.4033
160	54.95	-0.02	-0.0020	-0.0006	-0.0050	0.0276	0.8544	0.8005	0.0604	0.3225	0.0746	0.3995
161	55.14	-0.00	-0.0124	0.0003	-0.0102	-0.0403	0.8226	0.8324	0.0600	0.3367	0.0721	0.4045
162	55.26	-0.03	-0.0165	-0.0003	-0.0134	0.0290	0.7329	0.8125	0.0600	0.3277	0.0738	0.4033
163	55.44	-0.03	-0.0154	0.0004	-0.0125	-0.0052	0.8443	0.8037	0.0605	0.3208	0.0753	0.3992
164	55.62	-0.03	-0.0054	0.0004	-0.0060	-0.1111	1.1007	0.8410	0.0595	0.3421	0.0767	0.4066
165	55.75	-0.03	-0.0207	0.0003	-0.0121	-0.0153	0.5845	0.7876	0.0599	0.3152	0.0760	0.4002
166	55.93	-0.04	-0.0208	0.0	-0.0118	0.0	0.5577	0.8410	0.0593	0.3426	0.0705	0.4074
167	56.09	-0.04	-0.0207	-0.0003	-0.0122	0.0145	0.5844	0.8064	0.0588	0.3242	0.0729	0.4020
168	56.25	-0.03	-0.0208	-0.0003	-0.0117	0.0144	0.5845	0.8447	0.0593	0.3405	0.0702	0.4031
169	56.42	-0.06	-0.0275	-0.0003	-0.0145	0.0107	0.5197	0.8553	0.0552	0.3454	0.0642	0.4086
170	56.61	-0.05	-0.0222	0.0	-0.0100	0.0	0.4805	0.8780	0.0561	0.3504	0.0635	0.4055
171	56.75	-0.06	-0.0254	0.0004	-0.0120	-0.0034	0.4082	0.8680	0.0556	0.3505	0.0646	0.4038

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN PASSALE TAILS EFFECTS DATA

TEST PART MACR XXIG-E PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
7 157 1.00 1.7 0.0 0.0001 0.0 0 -20 0 -20 UNKNOWN												
PLINT	ALPHA	BETA	CNF2	CH3	CD3	XCPF3	YCPF3	CNF4	CH4	CH4	XCPF4	YCPF4
1	-5.72	-0.01	0.0528	5.5555	0.0145	5.5555	0.2757	-1.1381	-0.0513	-0.4802	0.0451	0.4219
2	-5.73	-0.02	0.0477	5.5555	0.0117	5.5555	0.2453	-1.1493	-0.0514	-0.4837	0.0447	0.4205
3	-5.73	-0.01	0.0551	5.5555	0.0152	5.5555	0.2759	-1.1785	-0.0529	-0.4980	0.0449	0.4226
4	-5.73	-0.02	0.0500	5.5555	0.0143	5.5555	0.2600	-1.1506	-0.0510	-0.4858	0.0441	0.4200
5	-5.86	-0.01	0.0477	5.5555	0.0132	5.5555	0.2705	-1.2006	-0.0620	-0.5116	0.0516	0.4263
6	-5.86	-0.02	0.0501	5.5555	0.0133	5.5555	0.2655	-1.1570	-0.0678	-0.4983	0.0506	0.4305
7	-2.77	-0.02	0.0513	5.5555	0.0145	5.5555	0.2904	-1.0250	-0.0786	-0.4371	0.0767	0.4264
8	-0.99	-0.01	0.0500	5.5555	0.0146	5.5555	0.2960	-0.9690	-0.0937	-0.4130	0.0535	0.4259
9	0.79	-0.01	0.0387	5.5555	0.0115	5.5555	0.3075	-0.8431	-0.0859	-0.3454	0.1015	0.4057
10	2.00	-0.01	0.0424	5.5555	0.0137	5.5555	0.3231	-0.7240	-0.0781	-0.2667	0.1078	0.3957
11	4.37	-0.02	0.0422	5.5555	0.0145	5.5555	0.3139	-0.6010	-0.0650	-0.2251	0.1148	0.3812
12	6.19	-0.01	0.0455	5.5555	0.0153	5.5555	0.3000	-0.4803	-0.0558	-0.1722	0.1161	0.3585
13	8.03	-0.01	0.0455	5.5555	0.0168	5.5555	0.3373	-0.3559	-0.0415	-0.1075	0.1153	0.2998
14	9.80	-0.02	0.0473	5.5555	0.0156	5.5555	0.3290	-0.2654	-0.0254	-0.0066	0.1107	0.2506
15	11.67	-0.02	0.0485	5.5555	0.0101	5.5555	0.3520	-0.1657	-0.0171	-0.0302	0.1032	0.1823
16	13.40	-0.02	0.0662	5.5555	0.0151	5.5555	0.2261	-0.0800	0.0017	0.0006	-0.0212	-0.0075
17	15.37	-0.02	0.0777	5.5555	0.0125	5.5555	0.1609	-0.0107	0.0265	0.0306	-2.5133	-2.8558
18	17.30	-0.03	0.0728	5.5555	0.0102	5.5555	0.1401	0.0782	0.0487	0.0693	0.0226	0.8862
19	19.18	-0.03	0.0852	5.5555	0.0146	5.5555	0.1714	0.1770	0.0629	0.1116	0.3553	0.6303
20	21.10	-0.02	0.0877	5.5555	0.0133	5.5555	0.1517	0.2527	0.0709	0.1373	0.3046	0.5900
21	23.05	-0.04	0.0853	5.5555	0.0102	5.5555	0.1196	0.3394	0.0789	0.1661	0.2324	0.5483
22	25.00	-0.02	0.0750	5.5555	0.0052	5.5555	0.1165	0.4930	0.0627	0.2165	0.2104	0.5505
23	27.01	0.03	0.0924	5.5555	0.0156	5.5555	0.2121	0.3745	0.0673	0.2136	0.2330	0.5704
24	28.10	0.05	0.1057	5.5555	0.0205	5.5555	0.2452	0.3851	0.0891	0.2234	0.2313	0.5801
25	28.08	0.06	0.1058	5.5555	0.0255	5.5555	0.2359	0.3628	0.0894	0.2156	0.2465	0.5948
26	28.09	0.04	0.1073	5.5555	0.0242	5.5555	0.2255	0.3695	0.0887	0.2212	0.2397	0.5980
27	28.05	0.06	0.1058	5.5555	0.0245	5.5555	0.2268	0.3866	0.0892	0.2298	0.2307	0.5944
28	28.08	0.05	0.1123	5.5555	0.0271	5.5555	0.2413	0.3768	0.0892	0.2265	0.2367	0.6011
29	28.42	0.06	0.1026	5.5555	0.0243	5.5555	0.2238	0.3711	0.0894	0.2251	0.2408	0.6066
30	28.68	0.07	0.1172	5.5555	0.0255	5.5555	0.2551	0.3621	0.0903	0.2312	0.2363	0.6051
31	29.02	0.07	0.1157	5.5555	0.0306	5.5555	0.2556	0.3984	0.0919	0.2405	0.2306	0.6047
32	29.34	0.06	0.1159	5.5555	0.0253	5.5555	0.2526	0.4097	0.0918	0.2465	0.2240	0.6026
33	29.62	0.06	0.1156	5.5555	0.0316	5.5555	0.2662	0.4232	0.0935	0.2543	0.2205	0.6009
34	29.89	0.07	0.1066	5.5555	0.0281	5.5555	0.2402	0.4234	0.0929	0.2558	0.2194	0.6042
35	30.16	0.08	0.1046	5.5555	0.0255	5.5555	0.2433	0.4185	0.0937	0.2546	0.2238	0.6078
36	30.45	0.08	0.1022	5.5555	0.0263	5.5555	0.2573	0.4536	0.0950	0.2697	0.2054	0.5646
37	30.72	0.07	0.1120	5.5555	0.0314	5.5555	0.2604	0.4367	0.0950	0.2638	0.2175	0.6041
38	31.01	0.07	0.1158	5.5555	0.0327	5.5555	0.2824	0.4495	0.0948	0.2715	0.2108	0.6040
39	31.29	0.07	0.1244	5.5555	0.0378	5.5555	0.3335	0.4630	0.0965	0.2785	0.2084	0.6026
40	31.56	0.06	0.1218	5.5555	0.0351	5.5555	0.3210	0.4770	0.0965	0.2852	0.2023	0.5579
41	31.83	0.06	0.1055	5.5555	0.0317	5.5555	0.2895	0.4809	0.0974	0.2881	0.2025	0.5551
42	32.12	0.04	0.1033	5.5555	0.0288	5.5555	0.2788	0.5133	0.0974	0.3040	0.1857	0.5922
43	32.35	0.05	0.1025	5.5555	0.0300	5.5555	0.2836	0.4767	0.0974	0.2868	0.2043	0.6018
44	32.61	0.03	0.0972	5.5555	0.0244	5.5555	0.2510	0.5326	0.0983	0.3134	0.1845	0.5884
45	32.88	0.04	0.0956	5.5555	0.0270	5.5555	0.2711	0.5284	0.0985	0.3126	0.1864	0.5918
46	33.15	0.01	0.0856	5.5555	0.0213	5.5555	0.2372	0.5523	0.0985	0.3242	0.1783	0.5876

PAGE 3 OF 3
SHEET 2 OF 6

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART			MACH		RXIG=6		PHI	CNPF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7			127		1.00 1.7		C.G. 0.10CF14		C.G.	0	-20	0	-20	UNKNOWN
PLANT	ALPHA	BETA	CNF2	CNF3	CNF4	CNF5	CNF6	CNF7	CNF8	CNF9	CNF10	CNF11	CNF12	CNF13
47	33.39	0.02	0.0696	5.9999	0.0223	5.9999	0.2403	0.5646	0.0995	0.3304	0.1762	0.5852		
48	33.60	0.02	0.0696	5.9999	0.0223	5.9999	0.2503	0.5671	0.0996	0.3414	0.1656	0.5815		
49	33.90	0.03	0.0696	5.9999	0.0224	5.9999	0.2785	0.5676	0.1020	0.3428	0.1735	0.5834		
50	34.14	0.07	0.0696	5.9999	0.0224	5.9999	0.2011	0.5492	0.1031	0.3250	0.1677	0.5929		
51	34.41	0.04	0.0696	5.9999	0.0225	5.9999	0.2519	0.5824	0.1028	0.3356	0.1765	0.5831		
52	34.60	0.04	0.0696	5.9999	0.0225	5.9999	0.2884	0.5820	0.1039	0.3402	0.1765	0.5845		
53	34.88	0.06	0.0696	5.9999	0.0225	5.9999	0.2700	0.5832	0.1045	0.3414	0.1751	0.5854		
54	35.14	0.05	0.0696	5.9999	0.0225	5.9999	0.3021	0.5955	0.1041	0.3465	0.1740	0.5855		
55	35.35	0.06	0.0696	5.9999	0.0225	5.9999	0.2821	0.6123	0.1043	0.3575	0.1763	0.5835		
56	35.63	0.06	0.0696	5.9999	0.0225	5.9999	0.3050	0.6100	0.1054	0.3554	0.1713	0.5816		
57	35.80	0.06	0.0696	5.9999	0.0226	5.9999	0.3023	0.6240	0.1050	0.3613	0.1662	0.5790		
58	36.10	0.05	0.0696	5.9999	0.0226	5.9999	0.2928	0.6120	0.1044	0.3592	0.1704	0.5835		
59	36.33	0.06	0.0696	5.9999	0.0226	5.9999	0.3112	0.6306	0.1062	0.3656	0.1684	0.5758		
60	36.57	0.04	0.0696	5.9999	0.0227	5.9999	0.3020	0.6530	0.1045	0.3771	0.1605	0.5770		
61	36.81	0.05	0.0696	5.9999	0.0227	5.9999	0.3100	0.6543	0.1058	0.3676	0.1668	0.5755		
62	37.04	0.04	0.0696	5.9999	0.0227	5.9999	0.2821	0.6457	0.1053	0.3725	0.1630	0.5765		
63	37.29	0.04	0.0696	5.9999	0.0228	5.9999	0.2953	0.6580	0.1056	0.3755	0.1603	0.5762		
64	37.51	0.04	0.0696	5.9999	0.0228	5.9999	0.2847	0.6580	0.1055	0.3774	0.1601	0.5730		
65	37.74	0.05	0.0696	5.9999	0.0228	5.9999	0.2726	0.6760	0.1062	0.3854	0.1571	0.5701		
66	37.94	0.05	0.0696	5.9999	0.0228	5.9999	0.3037	0.6872	0.1060	0.3930	0.1551	0.5716		
67	38.22	0.05	0.0696	5.9999	0.0227	5.9999	0.3017	0.6805	0.1071	0.3886	0.1573	0.5711		
68	38.45	0.04	0.0696	5.9999	0.0227	5.9999	0.3073	0.6805	0.1064	0.3921	0.1549	0.5712		
69	38.67	0.05	0.0696	5.9999	0.0228	5.9999	0.3113	0.6980	0.1057	0.3905	0.1514	0.5681		
70	38.87	0.04	0.0696	5.9999	0.0228	5.9999	0.3270	0.6980	0.1056	0.3970	0.1515	0.5688		
71	39.11	0.05	0.0696	5.9999	0.0228	5.9999	0.3263	0.7155	0.1069	0.4057	0.1454	0.5670		
72	39.32	0.03	0.0696	5.9999	0.0231	5.9999	0.2804	0.7031	0.1044	0.3970	0.1484	0.5646		
73	39.54	0.04	0.0696	5.9999	0.0227	5.9999	0.3109	0.7182	0.1057	0.4061	0.1471	0.5654		
74	39.74	0.02	0.0696	5.9999	0.0228	5.9999	0.3275	0.7044	0.1033	0.3994	0.1466	0.5670		
75	39.96	0.04	0.0696	5.9999	0.0224	5.9999	0.3263	0.7251	0.1038	0.4083	0.1431	0.5631		
76	40.17	0.05	0.0696	5.9999	0.0211	5.9999	0.2902	0.7039	0.1023	0.4010	0.1445	0.5681		
77	40.35	0.03	0.0696	5.9999	0.0220	5.9999	0.3169	0.7162	0.1010	0.4042	0.1410	0.5644		
78	40.56	0.04	0.0696	5.9999	0.0237	5.9999	0.2955	0.7204	0.1012	0.4104	0.1388	0.5637		
79	40.80	0.03	0.0696	5.9999	0.0224	5.9999	0.3024	0.7326	0.0988	0.4115	0.1348	0.5622		
80	40.98	0.03	0.0696	5.9999	0.0220	5.9999	0.3164	0.7201	0.0975	0.4092	0.1342	0.5636		
81	41.20	0.03	0.0696	5.9999	0.0220	5.9999	0.2330	0.7275	0.0974	0.4093	0.1338	0.5626		
82	41.38	0.03	0.0696	5.9999	0.0221	5.9999	0.3276	0.7271	0.0948	0.4100	0.1303	0.5639		
83	41.57	0.03	0.0696	5.9999	0.0225	5.9999	0.3128	0.7585	0.0965	0.4239	0.1272	0.5585		
84	41.77	0.03	0.0696	5.9999	0.0221	5.9999	0.3170	0.7223	0.0886	0.4081	0.1226	0.5650		
85	41.98	0.03	0.0696	5.9999	0.0223	5.9999	0.3139	0.7245	0.0847	0.4077	0.1169	0.5627		
86	42.18	0.04	0.0696	5.9999	0.0224	5.9999	0.3170	0.7521	0.0870	0.4200	0.1156	0.5584		
87	42.37	0.02	0.0696	5.9999	0.0201	5.9999	0.3282	0.7198	0.0836	0.4098	0.1161	0.5638		
88	42.54	0.02	0.0696	5.9999	0.0267	5.9999	0.3325	0.7504	0.0860	0.4225	0.1137	0.5586		
89	42.73	0.03	0.0696	5.9999	0.0335	5.9999	0.3513	0.7540	0.0816	0.4119	0.1111	0.5612		
90	42.91	0.04	0.0696	5.9999	0.0241	5.9999	0.3343	0.7377	0.0824	0.4124	0.1123	0.5590		
91	43.05	0.04	0.0696	5.9999	0.0271	5.9999	0.3173	0.7470	0.0806	0.4165	0.1081	0.5576		
92	43.20	0.02	0.0696	5.9999	0.0287	5.9999	0.3314	0.7205	0.0825	0.4083	0.1135	0.5620		

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF RX1C-6 7 137 1.00 1.7				PHI	CGMF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION		
				0.0	0.0	0.0	0	-20	0	-20	UNKNOWN		
PLANT	ALPHA	BETA	CNF2	CNF3	CNF4	XCFF3	YCFF3	CNF4	CM4	C84	XCFF4	YCFF4	
93	43.46	0.02	0.0003	0.9999	0.0267	0.9999	0.3325	0.7387	0.0802	0.4116	0.1085	0.5572	
94	43.63	0.02	0.0003	0.9999	0.0267	0.9999	0.3325	0.7412	0.0812	0.4135	0.1095	0.5575	
95	43.80	0.01	0.0029	0.9999	0.0211	0.9999	0.2856	0.7595	0.0816	0.4217	0.1076	0.5552	
96	44.01	0.01	0.0053	0.9999	0.0233	0.9999	0.3094	0.7569	0.0809	0.4212	0.1066	0.5556	
97	44.17	0.00	0.0077	0.9999	0.0211	0.9999	0.2992	0.7358	0.0805	0.4107	0.1094	0.5582	
98	44.33	0.01	0.0095	0.9999	0.0318	0.9999	0.3537	0.6961	0.0806	0.4115	0.1158	0.5624	
99	44.55	0.00	0.0027	0.9999	0.0285	0.9999	0.3453	0.7471	0.0805	0.4146	0.1077	0.5545	
100	44.75	0.01	0.0065	0.9999	0.0161	0.9999	0.2722	0.7505	0.0815	0.4159	0.1083	0.5542	
101	44.93	0.00	0.0026	0.9999	0.0230	0.9999	0.3168	0.7171	0.0811	0.3954	0.1131	0.5570	
102	45.10	0.00	0.0003	0.9999	0.0191	0.9999	0.2881	0.7454	0.0819	0.4121	0.1098	0.5529	
103	45.28	0.00	0.0086	0.9999	0.0264	0.9999	0.3359	0.7334	0.0815	0.4056	0.1111	0.5530	
104	45.47	0.01	0.0046	0.9999	0.0195	0.9999	0.3071	0.7409	0.0812	0.4098	0.1096	0.5531	
105	45.65	0.01	0.0056	0.9999	0.0216	0.9999	0.3123	0.7472	0.0819	0.4125	0.1088	0.5506	
106	45.82	0.02	0.0022	0.9999	0.0215	0.9999	0.3035	0.7343	0.0806	0.4062	0.1100	0.5532	
107	46.00	0.01	0.0046	0.9999	0.0241	0.9999	0.3251	0.7389	0.0813	0.4067	0.1100	0.5504	
108	46.18	0.01	0.0076	0.9999	0.0213	0.9999	0.3004	0.7155	0.0839	0.3975	0.1172	0.5556	
109	46.35	0.01	0.0053	0.9999	0.0264	0.9999	0.3329	0.7347	0.0838	0.4053	0.1140	0.5517	
110	46.51	0.00	0.0053	0.9999	0.0212	0.9999	0.3050	0.7403	0.0837	0.4078	0.1130	0.5506	
111	46.69	0.01	0.0044	0.9999	0.0186	0.9999	0.2919	0.7534	0.0863	0.4153	0.1138	0.5476	
112	46.86	0.01	0.0032	0.9999	0.0182	0.9999	0.2880	0.7600	0.0819	0.4262	0.1041	0.5418	
113	47.04	0.01	0.0065	0.9999	0.0190	0.9999	0.2857	0.7658	0.0766	0.4250	0.0575	0.5468	
114	47.22	0.01	0.0055	0.9999	0.0190	0.9999	0.2521	0.7700	0.0732	0.4173	0.0950	0.5415	
115	47.39	0.03	0.0017	0.9999	0.0223	0.9999	0.3110	0.7511	0.0692	0.4076	0.0921	0.5427	
116	47.56	0.03	0.0013	0.9999	0.0275	0.9999	0.3432	0.6633	0.0685	0.3663	0.1029	0.5506	
117	47.75	0.02	0.0015	0.9999	0.0237	0.9999	0.3315	0.6794	0.0682	0.3715	0.1004	0.5476	
118	47.91	0.04	0.0065	0.9999	0.0262	0.9999	0.3321	0.6206	0.0685	0.3434	0.1103	0.5533	
119	48.10	0.04	0.0053	0.9999	0.0260	0.9999	0.3453	0.6278	0.0697	0.3459	0.1110	0.5510	
120	48.27	0.04	0.0035	0.9999	0.0286	0.9999	0.3409	0.6180	0.0697	0.3395	0.1128	0.5494	
121	48.44	0.04	0.0053	0.9999	0.0245	0.9999	0.3254	0.6234	0.0701	0.3415	0.1124	0.5478	
122	48.60	0.04	0.0065	0.9999	0.0276	0.9999	0.3529	0.6595	0.0706	0.3561	0.1070	0.5460	
123	48.78	0.03	0.0040	0.9999	0.0255	0.9999	0.3500	0.6388	0.0700	0.3478	0.1096	0.5445	
124	48.96	0.04	0.0065	0.9999	0.0272	0.9999	0.3443	0.6514	0.0697	0.3518	0.1070	0.5401	
125	49.14	0.06	0.0035	0.9999	0.0296	0.9999	0.3528	0.6793	0.0707	0.3637	0.1041	0.5356	
126	49.31	0.04	0.0035	0.9999	0.0315	0.9999	0.3759	0.6652	0.0703	0.3564	0.1057	0.5358	
127	49.48	0.04	0.0077	0.9999	0.0276	0.9999	0.3552	0.6663	0.0708	0.3556	0.1062	0.5337	
128	49.66	0.03	0.0089	0.9999	0.0292	0.9999	0.3701	0.6731	0.0712	0.3577	0.1058	0.5314	
129	49.83	0.01	0.0052	0.9999	0.0240	0.9999	0.3468	0.6782	0.0747	0.3615	0.1101	0.5327	
130	50.01	0.02	0.0042	0.9999	0.0245	0.9999	0.3540	0.6840	0.0725	0.3623	0.1060	0.5257	
131	50.13	0.01	0.0068	0.9999	0.0224	0.9999	0.3353	0.6901	0.0747	0.3641	0.1082	0.5276	
132	50.35	0.01	0.0065	0.9999	0.0242	0.9999	0.3433	0.6995	0.0721	0.3681	0.1030	0.5262	
133	50.53	0.02	0.0060	0.9999	0.0230	0.9999	0.3382	0.6993	0.0721	0.3657	0.1037	0.5260	
134	50.68	0.01	0.0065	0.9999	0.0224	0.9999	0.3346	0.7392	0.0724	0.3644	0.0986	0.5200	
135	50.82	0.00	0.0055	0.9999	0.0241	0.9999	0.3468	0.7411	0.0724	0.3657	0.0977	0.5204	
136	50.96	0.00	0.0050	0.9999	0.0276	0.9999	0.3641	0.7150	0.0720	0.3741	0.1007	0.5232	
137	51.16	0.01	0.0065	0.9999	0.0233	0.9999	0.3286	0.7223	0.0710	0.3756	0.0983	0.5200	
138	51.31	0.01	0.0072	0.9999	0.0225	0.9999	0.3348	0.7361	0.0705	0.3835	0.0955	0.5196	

PAGE 3 OF 3
SHEET 4 OF 4

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART			MACT	RXC-E	PHI	CNCF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7			137	1.00	1.7	0.0	0.100	11	C.C	0	-20	0	-20	UNKNOWN
FLINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4		
139	51.40	-0.01	0.0072	5.5555	0.0245	5.5555	0.3046	0.7375	0.0703	0.3817	0.0953	0.5176		
140	51.05	-0.02	0.0055	5.5555	0.0150	5.5555	0.3172	0.7211	0.0675	0.3737	0.0936	0.5182		
141	51.00	-0.00	0.0055	5.5555	0.0231	5.5555	0.3372	0.7190	0.0651	0.3724	0.0950	0.5175		
142	51.09	-0.00	0.0074	5.5555	0.0155	5.5555	0.2770	0.6909	0.0668	0.3551	0.0967	0.5150		
143	52.15	-0.00	0.0023	5.5555	0.0152	5.5555	0.3082	0.6828	0.0675	0.3546	0.0988	0.5153		
144	52.52	-0.00	0.0072	5.5555	0.0215	5.5555	0.3195	0.6827	0.0667	0.3547	0.0975	0.5188		
145	52.55	-0.00	0.0070	5.5555	0.0245	5.5555	0.3432	0.6821	0.0671	0.3552	0.0983	0.5207		
146	52.72	-0.01	0.0055	5.5555	0.0217	5.5555	0.3122	0.6724	0.0656	0.3464	0.0978	0.5181		
147	52.89	-0.02	0.0033	5.5555	0.0157	5.5555	0.3112	0.6868	0.0671	0.3570	0.0974	0.5183		
148	53.06	-0.01	0.0074	5.5555	0.0245	5.5555	0.3350	0.6932	0.0663	0.3567	0.0956	0.5146		
149	53.22	-0.01	0.0055	5.5555	0.0220	5.5555	0.3250	0.6673	0.0671	0.3543	0.0976	0.5155		
150	53.36	-0.00	0.0074	5.5555	0.0250	5.5555	0.3353	0.6917	0.0665	0.3540	0.0961	0.5118		
151	53.54	-0.01	0.0040	5.5555	0.0200	5.5555	0.3220	0.7051	0.0667	0.3611	0.0946	0.5121		
152	53.70	-0.01	0.0070	5.5555	0.0252	5.5555	0.3304	0.6962	0.0662	0.3569	0.0948	0.5112		
153	53.88	-0.01	0.0032	5.5555	0.0157	5.5555	0.3117	0.7032	0.0667	0.3586	0.0948	0.5100		
154	54.02	-0.01	0.0000	5.5555	0.0240	5.5555	0.3325	0.7097	0.0662	0.3613	0.0933	0.5091		
155	54.18	-0.01	0.0044	5.5555	0.0155	5.5555	0.2597	0.7096	0.0662	0.3598	0.0933	0.5070		
156	54.34	-0.02	0.0005	5.5555	0.0215	5.5555	0.3274	0.7150	0.0651	0.3624	0.0910	0.5065		
157	54.50	-0.02	0.0043	5.5555	0.0212	5.5555	0.3297	0.7194	0.0656	0.3639	0.0912	0.5058		
158	54.65	-0.02	0.0030	5.5555	0.0206	5.5555	0.3270	0.7230	0.0650	0.3653	0.0899	0.5053		
159	54.81	-0.04	0.0034	5.5555	0.0223	5.5555	0.3410	0.7144	0.0655	0.3606	0.0917	0.5048		
160	54.95	-0.02	0.0075	5.5555	0.0234	5.5555	0.3320	0.7221	0.0635	0.3625	0.0875	0.5020		
161	55.14	-0.00	0.0041	5.5555	0.0217	5.5555	0.3365	0.7363	0.0640	0.3690	0.0877	0.5012		
162	55.26	-0.03	0.0040	5.5555	0.0201	5.5555	0.3506	0.7218	0.0632	0.3622	0.0875	0.5018		
163	55.44	-0.03	0.0022	5.5555	0.0200	5.5555	0.3165	0.7153	0.0635	0.3584	0.0888	0.5010		
164	55.62	-0.05	0.0000	5.5555	0.0244	5.5555	0.3547	0.7302	0.0647	0.3653	0.0886	0.5003		
165	55.75	-0.03	0.0022	5.5555	0.0205	5.5555	0.3264	0.7052	0.0608	0.3537	0.0862	0.5016		
166	55.93	-0.04	0.0040	5.5555	0.0210	5.5555	0.3375	0.7505	0.0625	0.3737	0.0833	0.4979		
167	56.09	-0.04	0.0018	5.5555	0.0150	5.5555	0.3364	0.7260	0.0634	0.3625	0.0839	0.4993		
168	56.25	-0.03	0.0070	5.5555	0.0274	5.5555	0.3653	0.7528	0.0622	0.3742	0.0826	0.4971		
169	56.42	-0.06	0.0050	5.5555	0.0171	5.5555	0.3376	0.7657	0.0557	0.3798	0.0775	0.4950		
170	56.61	-0.05	0.0053	5.5555	0.0174	5.5555	0.3619	0.7400	0.0584	0.3413	0.0739	0.4953		
171	56.75	-0.06	0.0015	5.5555	0.0155	5.5555	0.3256	0.7813	0.0576	0.3672	0.0737	0.4956		

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST 7	PART 136	MACH 1.10	AXIC-6 1.7	PHI 0.0	CONF 0.0	L 0.0	DEL1 0	DEL2 -20	DEL3 0	DEL4 -20	TRANSITION UNKNOWN
FCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLI	CA	CAB	CAF	XCP
1	-5.74	0.00	-2.1826	7.9333	0.0454	-0.1025	0.0020	1.0674	0.2933	0.7742	-3.6281
2	-5.74	-0.02	-2.1648	7.9271	-0.0282	-0.0147	0.0024	1.0697	0.2903	0.7743	-3.6262
3	-5.74	-0.01	-2.2052	7.9888	-0.0075	-0.0454	0.0025	1.0724	0.2918	0.7806	-3.6136
4	-5.73	-0.01	-2.1721	7.9948	0.0060	-0.1310	0.0027	1.0680	0.2902	0.7778	-3.6355
5	-5.73	-0.01	-2.1522	7.9283	0.0228	-0.0556	0.0025	1.0654	0.2903	0.7751	-3.6135
6	-5.74	-0.00	-2.1810	7.9251	0.1335	-0.1484	0.0001	1.0680	0.2807	0.7798	-3.6355
7	-5.74	-0.02	-2.2101	8.0166	0.0038	-0.0448	0.0079	1.0821	0.2942	0.7879	-3.6272
8	-5.85	-0.00	-2.0890	7.7410	0.1406	-0.2105	0.0083	1.0576	0.2875	0.7703	-3.7056
9	-3.88	-0.01	-1.8835	7.4324	0.1095	-0.1625	0.0034	1.0294	0.2752	0.7542	-3.5453
10	-2.14	-0.02	-1.6440	6.8315	0.0551	-0.1212	0.0037	0.9910	0.2706	0.7144	-4.1555
11	-0.34	-0.02	-1.3240	6.0526	-0.0213	-0.0777	0.0040	0.9447	0.2797	0.6649	-4.5715
12	1.40	-0.01	-1.0465	5.3508	0.0330	-0.1020	0.0090	0.9035	0.2849	0.6185	-5.1205
13	3.37	-0.01	-0.7375	4.6413	0.0355	-0.0674	0.0102	0.8517	0.2925	0.5593	-6.2535
14	5.12	-0.01	-0.4606	3.9756	0.0056	-0.0114	0.0100	0.8227	0.2970	0.5258	-8.6269
15	8.56	-0.01	-0.1538	3.2610	-0.0362	-0.0107	0.0110	0.7657	0.3104	0.4553	-21.2055
16	6.78	-0.01	0.1426	2.5441	-0.0146	0.0255	0.0061	0.7202	0.3210	0.4052	18.1656
17	10.68	-0.02	0.4444	1.8843	-0.1002	0.1055	0.0120	0.6617	0.3300	0.3517	3.8117
18	12.52	-0.00	0.6451	1.2014	0.0002	0.0305	0.0075	0.6449	0.3390	0.3060	1.4855
19	14.62	0.00	1.2211	0.7304	0.0034	0.0466	0.0084	0.6072	0.3475	0.2593	0.5981
20	16.37	-0.04	1.5247	0.3350	-0.0942	0.2420	0.0089	0.5701	0.3556	0.2143	0.2216
21	18.32	-0.02	1.9245	-0.1436	-0.1345	0.3561	0.0043	0.5243	0.3589	0.1654	-0.0746
22	20.27	-0.01	2.4224	-0.4975	-0.1135	0.5170	-0.0105	0.4754	0.3552	0.1248	-0.1806
23	22.28	-0.01	2.9863	-0.6665	-0.1070	0.4761	-0.0291	0.4260	0.3461	0.0799	-0.2233
24	24.28	-0.01	3.6436	-0.9543	-0.0584	0.3611	-0.0265	0.3805	0.3495	0.0310	-0.2619
25	26.31	-0.00	4.4458	-1.2672	0.0235	0.1333	-0.0017	0.3474	0.3554	-0.0080	-0.2850
26	28.17	0.03	4.9835	-1.4553	0.3546	-0.8300	0.0814	0.3163	0.3586	-0.0403	-0.2920
27	28.17	0.03	4.9701	-1.3941	0.3756	-0.6456	0.0853	0.3155	0.3587	-0.0432	-0.2805
28	28.18	0.04	5.0420	-1.5053	0.4204	-0.6635	0.0922	0.3228	0.3627	-0.0399	-0.2586
29	28.43	0.02	5.1681	-1.4046	0.2168	-0.3422	0.0707	0.3159	0.3571	-0.0432	-0.2834
30	28.73	0.03	5.2730	-1.5710	0.3272	-0.5625	0.0714	0.3046	0.3604	-0.0558	-0.2979
31	29.08	0.02	5.3605	-1.5801	0.1898	-0.2395	0.0607	0.2933	0.3604	-0.0671	-0.2910
32	29.38	0.03	5.4320	-1.6041	0.2092	-0.2962	0.0557	0.2795	0.3631	-0.0835	-0.3019
33	29.66	0.03	5.5465	-1.6828	0.3835	-0.7169	0.0778	0.2924	0.3653	-0.0729	-0.3034
34	29.90	0.03	5.6401	-1.7443	0.3872	-0.8302	0.0807	0.2851	0.3640	-0.0786	-0.3053
35	30.25	0.04	5.7173	-1.7258	0.4090	-0.6850	0.0704	0.2615	0.3644	-0.0828	-0.3015
36	30.53	0.04	5.9477	-1.9794	0.2703	-0.4008	0.0576	0.2556	0.3675	-0.1119	-0.3327
37	30.80	0.04	6.0676	-2.0737	0.4200	-0.5469	0.0549	0.2448	0.3677	-0.1229	-0.3618
38	31.07	0.05	6.0902	-2.1071	0.3510	-0.6170	0.0847	0.2502	0.3685	-0.1183	-0.3450
39	31.36	0.03	6.3008	-2.3427	0.2525	-0.1785	0.0791	0.2349	0.3672	-0.1323	-0.3718
40	31.64	0.02	6.3849	-2.2267	0.0765	0.5140	0.0299	0.2209	0.3672	-0.1383	-0.3491
41	31.91	0.03	6.5252	-2.5031	0.2205	-0.0320	0.0793	0.2158	0.3669	-0.1511	-0.3838
42	32.15	0.00	6.6068	-2.3640	-0.0655	0.5734	0.0044	0.2195	0.3670	-0.1463	-0.3609
43	32.45	0.00	6.7068	-2.3181	-0.0054	0.7067	0.0036	0.2107	0.3680	-0.1573	-0.3752
44	32.71	0.00	6.8414	-2.3454	-0.1254	1.0030	0.0401	0.2101	0.3686	-0.1585	-0.3721
45	32.97	-0.01	6.8702	-2.5381	-0.0678	0.5366	0.0370	0.2071	0.3703	-0.1632	-0.3694
46	33.24	0.00	7.0010	-2.6433	-0.0708	0.7790	0.0366	0.2004	0.3772	-0.1708	-0.3745

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 2.10-6		PHI CCNF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 1.38 1.10 1.7		G.C. B10F11		G.C		0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CA	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
47	33.50	0.01	7.2351	-2.6958	-0.0690	0.9294	0.0365	0.1881	0.3782	-0.1901	-0.3931
48	33.75	0.00	7.2583	-2.6856	-0.0682	0.7417	0.0426	0.1498	0.3814	-0.1823	-0.3953
49	33.99	0.00	7.4265	-3.3004	-0.1856	0.9836	0.0161	0.1703	0.3632	-0.2129	-0.4040
50	34.23	0.00	7.4341	-3.0081	0.0076	0.4818	0.0698	0.1951	0.3888	-0.1915	-0.4114
51	34.51	0.01	7.5522	-3.2056	-0.0854	0.5667	0.0312	0.1837	0.3433	-0.2066	-0.4222
52	34.75	0.00	7.7051	-3.0003	-0.0310	0.8174	0.0396	0.1714	0.3430	-0.2216	-0.4356
53	34.98	0.00	7.8236	-3.4220	0.0941	0.4380	0.0370	0.1794	0.3930	-0.2138	-0.4374
54	35.23	0.01	7.9481	-3.4412	-0.0054	0.5813	0.1081	0.1884	0.4017	-0.2333	-0.4331
55	35.46	0.00	8.0112	-3.4124	0.0853	0.3400	0.0329	0.1857	0.3546	-0.2269	-0.4260
56	35.72	0.00	8.1835	-3.6573	0.0731	0.4580	0.0028	0.1470	0.3981	-0.2511	-0.4480
57	35.98	0.01	8.2953	-3.7133	0.0551	0.4557	0.0832	0.1361	0.3578	-0.2817	-0.4574
58	36.20	0.01	8.3155	-3.7240	0.1876	0.3121	0.1047	0.1586	0.3471	-0.2385	-0.4482
59	36.44	0.01	8.4550	-3.7713	-0.0188	0.3547	0.0740	0.1462	0.3931	-0.2469	-0.4440
60	36.69	0.01	8.6484	-3.5677	0.0457	0.3338	0.0797	0.1206	0.3461	-0.2755	-0.4588
61	36.93	0.02	8.8447	-3.5627	-0.0261	0.4674	0.0689	0.1352	0.3964	-0.2812	-0.4584
62	37.15	0.00	8.1200	-4.0066	0.0697	0.3487	0.0881	0.1379	0.3599	-0.2820	-0.4597
63	37.36	0.01	8.8187	-4.0207	0.0775	0.3225	0.0855	0.1182	0.3914	-0.2732	-0.4559
64	37.64	0.01	8.8832	-4.2456	0.1420	0.2808	0.0912	0.1124	0.3930	-0.2806	-0.4731
65	37.88	0.01	8.9850	-4.3045	0.1574	0.2844	0.1016	0.1178	0.3914	-0.2736	-0.4789
66	38.12	0.02	9.1457	-4.4891	0.2007	0.3461	0.0811	0.1178	0.4026	-0.2848	-0.4880
67	38.36	0.00	9.2516	-4.4051	0.0327	0.3097	0.0767	0.0920	0.3939	-0.3019	-0.4741
68	38.58	0.02	9.3355	-4.4357	-0.1024	0.4730	0.0713	0.1006	0.3842	-0.2886	-0.4756
69	38.82	0.01	9.5035	-4.5681	0.1256	-0.0685	0.0421	0.0820	0.3875	-0.3055	-0.4805
70	39.03	0.01	9.5151	-4.7221	0.0071	0.4633	0.1030	0.1059	0.4006	-0.2548	-0.4561
71	39.25	0.00	9.5551	-4.5883	0.0516	0.1418	0.0729	0.0614	0.3858	-0.3044	-0.4886
72	39.47	0.00	9.6858	-4.7744	0.0740	0.2607	0.0780	0.0644	0.3804	-0.3045	-0.4927
73	39.69	0.00	9.7575	-4.7785	0.1256	0.0325	0.0475	0.0706	0.3845	-0.3139	-0.4677
74	39.89	0.01	9.8825	-4.5550	0.1445	0.0431	0.0475	0.0873	0.3463	-0.3250	-0.5054
75	40.12	0.01	10.0624	-5.1752	0.0400	0.4601	0.0687	0.0762	0.3573	-0.3211	-0.5143
76	40.33	0.02	10.1182	-5.1367	-0.0707	0.4425	0.0640	0.0614	0.3640	-0.3282	-0.5077
77	40.52	0.00	10.1429	-5.0521	0.0512	0.2356	0.0491	0.0491	0.3835	-0.3344	-0.4581
78	40.73	0.01	10.1888	-5.2599	0.0135	0.5861	0.0835	0.0746	0.3920	-0.3174	-0.5144
79	40.94	0.00	10.2957	-5.2316	0.1093	0.2751	0.0336	0.0621	0.3536	-0.3315	-0.5082
80	41.16	0.01	10.4159	-5.2871	0.1193	0.2655	0.0497	0.0442	0.4085	-0.3027	-0.5076
81	41.39	0.01	10.5325	-5.5556	0.0153	0.7154	0.0379	0.0776	0.3903	-0.3127	-0.5275
82	41.58	0.01	10.5418	-5.4534	0.0241	0.1295	0.0402	0.0164	0.3845	-0.3661	-0.5183
83	41.79	0.01	10.7217	-5.6858	-0.0123	0.5207	0.0286	0.0370	0.3885	-0.3495	-0.5303
84	41.99	0.03	10.7240	-5.0188	-0.1582	0.7588	0.0283	0.0345	0.3876	-0.3531	-0.5225
85	42.20	0.02	10.9550	-5.7532	-0.1627	1.0762	0.0367	0.0376	0.3531	-0.3355	-0.5432
86	42.39	0.02	10.9824	-5.7535	-0.1035	0.5884	0.0297	-0.0003	0.3768	-0.3831	-0.5246
87	42.58	0.02	10.9584	-5.8733	-0.2265	1.1172	0.0067	0.0467	0.3571	-0.3504	-0.5380
88	42.76	0.02	11.1104	-5.7869	-0.1305	1.0466	-0.0031	0.0039	0.3768	-0.3724	-0.5209
89	42.93	0.02	11.1545	-5.8900	-0.1837	0.8630	-0.0023	-0.0066	0.3840	-0.3908	-0.5280
90	43.11	0.01	11.1755	-5.7270	-0.0447	0.6738	-0.0023	-0.0044	0.3598	-0.3662	-0.5125
91	43.30	0.02	11.3283	-5.7385	-0.0454	0.0462	0.0325	-0.0503	0.3587	-0.4090	-0.5088
92	43.48	0.01	11.3303	-5.8416	0.0138	0.3678	0.0104	-0.0416	0.3526	-0.3942	-0.5156

PAGE 1 OF 3
SHEET 3 OF 4

MANTA MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RIX	LOC	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	1.38	1.10	1.7	C.C	ding	11	0	-20	0	-20	UNKNOWN
FCINT	ALPHA	BETA	CLN	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
93	43.68	-0.02	11.4757	-5.7850	-0.1446	0.4512	0.0161	-0.0642	0.3532	-0.4174	-0.5039
94	43.80	-0.03	11.5170	-5.8511	-0.1540	0.5631	0.0	-0.0535	0.3500	-0.4043	-0.5080
95	44.00	-0.01	11.5662	-5.9383	-0.0145	0.2447	0.0312	-0.0653	0.3379	-0.4032	-0.5136
96	44.21	-0.02	11.6554	-5.9256	-0.2675	0.8327	-0.0372	-0.0577	0.3328	-0.3905	-0.5087
97	44.35	-0.01	11.6814	-5.8555	-0.0575	0.4831	-0.0344	-0.0763	0.3229	-0.3592	-0.5016
98	44.57	-0.04	11.6167	-5.9866	-0.3124	1.2063	-0.0391	-0.0470	0.3438	-0.3928	-0.5064
99	44.76	-0.02	11.6101	-5.9357	-0.0108	-0.1068	0.0453	-0.0981	0.3208	-0.4188	-0.5029
100	44.95	-0.02	11.6165	-5.9436	-0.1345	0.7371	-0.0520	-0.0741	0.3170	-0.3911	-0.4987
101	45.12	-0.01	11.6320	-5.8697	-0.0271	0.1780	0.0326	-0.0951	0.3102	-0.4053	-0.4936
102	45.30	-0.01	11.6830	-5.7865	-0.1325	-0.1584	0.0568	-0.1154	0.2951	-0.4104	-0.4829
103	45.45	-0.02	11.6835	-5.7527	-0.0267	0.2196	0.0386	-0.1003	0.3022	-0.4024	-0.4761
104	45.60	-0.00	11.6461	-5.6234	-0.1437	-0.1672	0.0253	-0.1007	0.2970	-0.4056	-0.4692
105	45.84	-0.02	12.1560	-5.6548	-0.0123	0.2737	-0.0282	-0.1065	0.3014	-0.4082	-0.4669
106	46.01	-0.02	12.1846	-5.6533	-0.0604	0.9174	-0.0601	-0.1009	0.3038	-0.4090	-0.4672
107	46.16	-0.02	12.2407	-5.7723	-0.0650	0.7547	-0.0503	-0.1004	0.3089	-0.4092	-0.4656
108	46.30	-0.01	12.3016	-5.5735	-0.0225	0.5204	-0.0341	-0.1100	0.2975	-0.4100	-0.4531
109	46.54	-0.02	12.3628	-5.4685	-0.0265	0.6417	-0.0821	-0.1070	0.2954	-0.4023	-0.4424
110	46.70	-0.03	12.3743	-5.2710	-0.2014	0.7574	-0.0555	-0.1218	0.2864	-0.4002	-0.4260
111	46.88	-0.05	12.4713	-5.4841	-0.1564	0.7632	-0.0608	-0.1015	0.2929	-0.3947	-0.4397
112	47.07	-0.05	12.5151	-5.3107	-0.0281	0.8239	-0.0501	-0.1059	0.2850	-0.3949	-0.4243
113	47.24	-0.05	12.6574	-5.3545	-0.1728	0.6643	-0.0586	-0.0791	0.3125	-0.3916	-0.4262
114	47.39	-0.03	12.5172	-5.2672	-0.0272	0.8321	-0.0494	-0.0894	0.2991	-0.3890	-0.4160
115	47.57	-0.05	12.6063	-5.0427	-0.1751	0.8187	-0.0326	-0.0943	0.3142	-0.4085	-0.4000
116	47.70	-0.04	12.8133	-5.3044	-0.1231	0.5400	-0.0155	-0.0835	0.3047	-0.3932	-0.4202
117	47.92	-0.04	12.7356	-5.0598	-0.0356	0.4877	-0.0160	-0.0872	0.3106	-0.3978	-0.4004
118	48.05	-0.05	12.8000	-5.2074	-0.0051	0.4240	0.0271	-0.0854	0.3417	-0.4071	-0.4110
119	48.27	-0.04	12.8545	-5.3340	-0.1148	0.5541	-0.0325	-0.0501	0.3496	-0.3957	-0.4137
120	48.43	-0.04	12.9033	-4.9052	-0.0835	0.8625	0.0061	-0.0292	0.3571	-0.3863	-0.3861
121	48.62	-0.02	13.0201	-5.1345	-0.0045	0.8437	0.1169	-0.0094	0.3711	-0.3805	-0.3944
122	48.75	-0.04	13.0564	-4.9441	-0.0751	0.8372	0.1369	-0.0152	0.3659	-0.3811	-0.3768
123	48.93	-0.02	12.9730	-4.5350	-0.0232	0.9929	0.1168	-0.0160	0.3579	-0.3739	-0.3496
124	49.12	-0.02	13.0138	-4.2151	-0.0555	1.0384	0.0395	-0.0153	0.3510	-0.3663	-0.3239
125	49.28	-0.02	12.9872	-4.2048	-0.0745	0.8887	0.0907	-0.0135	0.3546	-0.3679	-0.3238
126	49.40	-0.02	13.1440	-4.4300	-0.0702	1.0166	0.0353	-0.0038	0.3607	-0.3645	-0.3370
127	49.61	-0.01	12.9242	-4.0382	-0.1225	1.1585	0.0895	0.0046	0.3617	-0.3571	-0.3125
128	49.82	0.00	13.1170	-4.2842	-0.0782	1.1921	0.0391	0.0142	0.3706	-0.3566	-0.3266
129	49.93	-0.01	13.0505	-3.9388	-0.0201	1.2290	0.0546	0.0137	0.3704	-0.3567	-0.3015
130	50.13	0.00	13.0465	-3.0385	-0.1177	1.3008	0.0666	0.0337	0.3875	-0.3536	-0.2789
131	50.30	-0.00	12.9935	-3.7240	-0.1380	1.2527	0.0738	0.0173	0.3779	-0.3608	-0.2868
132	50.45	-0.00	13.0411	-3.4051	-0.1054	1.3438	0.0631	0.0370	0.3862	-0.3492	-0.2660
133	50.64	-0.00	13.0816	-3.4555	-0.1497	1.2559	0.0582	0.0268	0.3908	-0.3640	-0.2676
134	50.82	0.01	13.1815	-3.4401	-0.2429	1.3028	0.0504	0.0422	0.3991	-0.3564	-0.2595
135	50.96	-0.01	13.1422	-3.4208	-0.1932	1.3110	0.0638	0.0320	0.3938	-0.3638	-0.2803
136	51.17	-0.00	13.3555	-3.5047	-0.2316	1.2575	0.0539	0.0475	0.4121	-0.3646	-0.2616
137	51.33	-0.01	13.3558	-3.5527	-0.1615	1.2585	0.0595	0.0427	0.4169	-0.3742	-0.2631
138	51.50	0.00	13.4533	-3.5203	-0.2178	1.2442	0.0596	0.0338	0.4169	-0.3831	-0.2609

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH XX10=6				PMT	CCRF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 138 1.1C 1.7				0.0 81NOF11	C.C	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CN	CLM	CY	CLR	CLL	CA	CAB	LAF	ACP
139	51.67	0.01	13.5621	-3.5540	0.3575	1.0643	0.0497	0.0328	0.4165	-0.3837	-0.2576
140	51.84	0.01	13.5726	-3.5450	0.2306	1.0722	0.0600	0.0252	0.4191	-0.3434	-0.2612
141	52.00	0.01	13.6365	-3.7264	0.2634	1.1556	0.0604	0.0309	0.4206	-0.3859	-0.2732
142	52.21	0.01	13.6663	-3.7558	0.2606	1.1290	0.0606	0.0254	0.4225	-0.3971	-0.2751
143	52.36	0.02	13.6460	-3.4815	0.4210	0.9690	0.0504	0.0154	0.4184	-0.4030	-0.2551
144	52.50	0.02	13.6569	-3.7617	0.3615	0.8543	0.0407	0.0295	0.4333	-0.4038	-0.2714
145	52.70	0.01	13.6257	-3.6465	0.3740	0.9205	0.0511	0.0056	0.4270	-0.4214	-0.2637
146	52.87	-0.01	13.6733	-3.6550	0.2114	0.8704	0.0405	0.0067	0.4334	-0.4272	-0.2663
147	53.03	0.01	13.6070	-3.6038	0.2643	0.9464	0.0513	0.0179	0.4289	-0.4110	-0.2610
148	52.95	0.01	13.6556	-3.4540	0.3656	0.8370	0.0404	0.0024	0.4181	-0.4157	-0.2522

PAGE 4 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

PCINT	TEST PART WAKE RATIO-6			PHI CNF1		L		DEL1 DEL2		DEL3 DEL4		TRANSITION	
	1	138	1.10	1.7	C.C. B10F11	C.C.	U	-20	0	-20	UNKNOWN		
PCINT	ALPHA	BETA	CNF1	CH1	Col	XCFF1	YCFF1	CNF2	CH2	C82	XCFF2	YCFF2	
1	-5.73	0.00	-0.0385	0.0050	0.0168	-0.1285	-0.4319	-1.0859	-0.0555	-0.5797	0.0520	0.5338	
2	-5.74	0.02	-0.0420	0.0041	0.0154	-0.0670	-0.3007	-1.0804	-0.0567	-0.5767	0.0522	0.5343	
3	-5.74	0.01	-0.0441	0.0036	0.0141	-0.0816	-0.3197	-1.0924	-0.0564	-0.5838	0.0516	0.5344	
4	-5.73	0.01	-0.0380	0.0046	0.0167	-0.1165	-0.4304	-1.0825	-0.0568	-0.5795	0.0525	0.5353	
5	-5.73	0.01	-0.0440	0.0036	0.0141	-0.0802	-0.3205	-1.0862	-0.0562	-0.5812	0.0517	0.5351	
6	-5.74	0.00	-0.0376	0.0046	0.0164	-0.1225	-0.4302	-1.0850	-0.0560	-0.5802	0.0522	0.5347	
7	-5.74	0.02	-0.0430	0.0037	0.0143	-0.0680	-0.3326	-1.0761	-0.0560	-0.5850	0.0511	0.5337	
8	-5.05	0.00	-0.0418	0.0036	0.0135	-0.0801	-0.3325	-1.0513	-0.0590	-0.5866	0.0569	0.5390	
9	-3.88	0.01	-0.0310	0.0057	0.0181	-0.1838	-0.5839	-0.4768	-0.0666	-0.5375	0.0682	0.5503	
10	-2.14	0.02	-0.0300	0.0055	0.0167	-0.1705	-0.5922	-0.4655	-0.0642	-0.4818	0.0751	0.5635	
11	-0.34	0.02	-0.0294	0.0043	0.0146	-0.1462	-0.5034	-0.7271	-0.0622	-0.4211	0.0655	0.5791	
12	1.40	0.01	-0.0324	0.0036	0.0120	-0.1111	-0.3704	-0.6193	-0.0586	-0.3035	0.0546	0.5870	
13	3.37	0.01	-0.0275	0.0037	0.0124	-0.1326	-0.4444	-0.4881	-0.0536	-0.2990	0.1058	0.6128	
14	5.12	0.01	-0.0415	0.0041	0.0145	-0.0573	-0.3226	-0.3770	-0.0402	-0.2424	0.1225	0.6430	
15	6.50	0.01	-0.0474	0.0021	0.0146	-0.0443	-0.3080	-0.2547	-0.0365	-0.1868	0.1433	0.7334	
16	6.70	0.01	-0.0520	0.0027	0.0146	-0.0514	-0.2900	-0.1597	-0.0265	-0.1304	0.1659	0.8666	
17	10.66	0.02	-0.0485	0.0036	0.0158	-0.0774	-0.3396	-0.0404	-0.0141	-0.0869	0.3038	1.0728	
18	12.52	0.00	-0.0352	0.0051	0.0157	-0.1448	-0.4460	0.0373	0.0004	-0.0506	0.0107	1.3566	
19	14.42	0.00	-0.0358	0.0020	0.0137	-0.0334	-0.2291	0.1016	0.0191	-0.0144	0.1675	-0.1417	
20	16.37	0.01	-0.0302	-0.0037	0.0066	0.0027	-0.1366	0.1720	0.0396	0.0175	0.2302	0.1017	
21	18.32	0.02	-0.0731	-0.0033	-0.0013	0.1135	0.0170	0.2445	0.0544	0.0489	0.2224	0.2000	
22	20.27	0.01	-0.1154	-0.0056	-0.0026	0.0649	0.2236	0.3088	0.0692	0.0864	0.2240	0.2758	
23	22.26	0.01	-0.1761	-0.0137	-0.0035	0.0778	0.3606	0.3440	0.0763	0.1112	0.2217	0.3233	
24	24.20	0.01	-0.1520	-0.0164	-0.0074	0.0555	0.3063	0.4062	0.0860	0.1541	0.2117	0.3794	
25	26.31	0.00	-0.0274	-0.0045	-0.0062	-0.1703	-0.2993	-0.5001	0.0875	0.1950	0.1789	0.3899	
26	28.17	0.03	0.1675	0.0215	0.1208	0.1146	0.0443	0.3012	0.0070	0.2211	0.1564	0.3540	
27	28.17	0.03	0.1078	0.0153	0.0734	0.1233	0.0809	0.5497	0.0893	0.2132	0.1624	0.3878	
28	28.18	0.04	0.1259	0.0161	0.0695	0.1278	0.7109	0.5014	0.0893	0.2219	0.1590	0.3553	
29	28.43	0.02	0.1255	0.0172	0.0857	0.1395	0.7275	0.5590	0.0904	0.2199	0.1617	0.3534	
30	28.73	0.03	0.0866	0.0103	0.0806	0.1501	0.8034	0.5648	0.0421	0.2259	0.1630	0.4000	
31	29.08	0.02	0.0505	0.0091	0.0490	0.1787	0.9627	0.5732	0.0538	0.2251	0.1636	0.3597	
32	29.30	0.03	0.0655	0.0101	0.0492	0.1542	0.7511	0.5807	0.0437	0.2346	0.1597	0.3595	
33	29.66	0.03	0.1600	0.0163	0.1015	0.1018	0.6344	0.6127	0.0527	0.2477	0.1513	0.4043	
34	29.90	0.03	0.1284	0.0115	0.0852	0.0927	0.6036	0.6218	0.0433	0.2537	0.1500	0.4080	
35	30.25	0.04	0.1156	0.0117	0.0728	0.0576	0.6077	0.6242	0.0444	0.2540	0.1512	0.4069	
36	30.53	0.03	0.1316	0.0115	0.0774	0.0404	0.5801	0.6522	0.0447	0.2606	0.1452	0.4066	
37	30.60	0.04	0.1340	0.0152	0.0524	0.1134	0.6876	0.6630	0.0464	0.2715	0.1434	0.4095	
38	31.07	0.05	0.1114	0.0148	0.0490	0.1328	0.7594	0.6604	0.0466	0.2731	0.1451	0.4104	
39	31.36	0.03	0.0637	0.0120	0.0616	0.1863	0.9570	0.6945	0.0442	0.2841	0.1398	0.4091	
40	31.64	0.02	-0.0505	0.0003	-0.0005	-0.0053	0.1221	0.0885	0.0445	0.2752	0.1372	0.4055	
41	31.51	0.03	0.0806	0.0130	0.0657	0.1612	0.8648	0.7191	0.0418	0.2949	0.1276	0.4101	
42	32.14	0.00	-0.1015	-0.0045	-0.0010	0.0443	0.3133	0.7044	0.0930	0.2855	0.1331	0.4059	
43	32.45	0.00	0.0003	0.0070	0.0304	23.3271	101.3330	0.7062	0.0943	0.2809	0.1335	0.4063	
44	32.71	0.00	-0.0613	-0.0003	-0.0050	0.0037	0.0713	0.7001	0.0453	0.2869	0.1345	0.4063	
45	32.97	0.01	0.0130	0.0360	0.0360	0.6152	2.8154	0.7295	0.0935	0.2971	0.1281	0.4073	
46	33.24	0.00	-0.0576	0.0023	0.0010	-0.0395	-0.0313	0.7400	0.0425	0.3012	0.1250	0.4070	

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIS-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 136 1.10 1.1			0.0	0.10011	0.0	0	-20	0	-20	UNKNOWN
FCINT	ALPHA	BETA	CONF1	CONF2	CONF3	YCONF1	CONF5	CONF6	CONF7	YCONF2
47	33.50	0.01	0.0003	0.0002	0.0001	0.1787	0.7641	0.0920	0.3130	0.1204
48	33.75	0.00	0.0011	0.0013	0.0003	0.0049	0.7654	0.0922	0.3121	0.1204
49	33.99	-0.00	0.0005	0.0003	0.0003	0.2304	0.7637	0.0915	0.3204	0.1167
50	34.23	0.00	0.0035	0.0122	0.0035	0.2804	1.3832	0.7472	0.0904	0.3259
51	34.51	-0.01	0.0021	0.0148	0.0070	0.2363	1.1433	0.7496	0.0908	0.3251
52	34.75	0.00	0.0023	0.0132	0.0057	0.3120	1.4113	0.6117	0.0909	0.3325
53	34.98	-0.00	0.0026	0.0107	0.0021	0.4021	1.9588	0.8268	0.0902	0.3392
54	35.23	-0.01	0.0053	0.0144	0.0045	0.2512	1.1222	0.8338	0.0893	0.3411
55	35.49	-0.00	0.0056	0.0143	0.0026	0.2351	1.0406	0.8325	0.0899	0.3400
56	35.74	-0.00	0.0074	0.0108	0.0030	0.3541	1.0643	0.8332	0.0893	0.3405
57	35.98	0.01	0.0092	0.0121	0.0083	0.3066	1.2321	0.8405	0.0891	0.3439
58	36.20	0.01	0.0007	0.0171	0.0073	0.2110	0.9071	0.8501	0.0891	0.3476
59	36.44	-0.01	0.0036	0.0152	0.0057	0.3250	1.1256	0.8577	0.0883	0.3609
60	36.69	-0.01	0.0054	0.0075	0.0020	0.8402	1.0014	0.8630	0.0881	0.3644
61	36.93	0.00	0.0089	0.0125	0.0046	0.3213	1.0694	0.8692	0.0873	0.3663
62	37.15	0.00	0.0050	0.0151	0.0020	0.2621	0.9026	0.8805	0.0893	0.3613
63	37.39	-0.01	0.0042	0.0135	0.0075	0.2863	0.9855	0.8940	0.0881	0.3676
64	37.64	0.01	0.0054	0.0154	0.0013	0.2889	0.9260	0.9072	0.0891	0.3733
65	37.88	0.01	0.0070	0.0176	0.0003	0.2308	0.8493	0.9036	0.0889	0.3720
66	38.12	0.00	0.0023	0.0140	0.0000	0.3309	0.9045	0.9315	0.0880	0.3844
67	38.36	-0.00	0.0051	0.0135	0.0045	0.2522	0.8330	0.9466	0.0870	0.3916
68	38.59	-0.00	0.0020	0.0102	0.0045	0.3067	0.8304	0.9381	0.0882	0.3862
69	38.83	-0.01	0.0023	0.0086	0.0024	0.2252	0.7645	0.9944	0.0832	0.4140
70	39.07	-0.01	0.0073	0.0000	0.0000	0.2762	0.7995	0.9551	0.0882	0.3944
71	39.25	-0.00	0.0058	0.0132	0.0000	0.2305	0.7276	0.9857	0.0854	0.4050
72	39.47	0.00	0.0025	0.0171	0.0075	0.2735	0.7804	0.9771	0.0870	0.4035
73	39.69	0.00	0.0041	0.0085	0.0035	0.2105	0.6156	1.0151	0.0827	0.4220
74	39.85	-0.01	0.0070	0.0122	0.0030	0.2532	0.8904	1.0137	0.0852	0.4201
75	40.12	-0.01	0.0070	0.0100	0.0037	0.3574	0.7115	1.0208	0.0859	0.4241
76	40.33	-0.00	0.0067	0.0153	0.0012	0.4108	0.8901	1.0124	0.0855	0.4164
77	40.52	-0.00	0.0025	0.0114	0.0045	0.4301	0.9245	1.0271	0.0846	0.4255
78	40.75	-0.01	0.0021	0.0157	0.0023	0.3726	0.7672	1.0290	0.0840	0.4266
79	40.94	-0.00	0.0052	0.0088	0.0085	1.0073	1.7115	1.0442	0.0836	0.4332
80	41.16	0.01	0.0050	0.0059	0.0013	0.3880	0.8480	1.0407	0.0830	0.4338
81	41.35	-0.01	0.0030	0.0080	0.0021	0.4814	-0.1615	1.0710	0.0816	0.4470
82	41.58	-0.01	0.0025	0.0002	0.0019	0.2670	0.6702	1.0736	0.0802	0.4477
83	41.79	-0.01	0.0015	0.0025	-0.0001	-0.1716	0.0992	1.0772	0.0813	0.4485
84	41.95	-0.01	0.0010	0.0001	-0.0002	-0.0031	0.1950	1.0793	0.0805	0.4499
85	42.20	-0.02	0.0083	0.0003	0.0035	0.1156	0.3998	1.0926	0.0806	0.4572
86	42.39	-0.02	0.0015	0.0001	0.0000	-0.0000	0.1307	1.0903	0.0799	0.4536
87	42.56	-0.02	0.0031	0.0004	0.0014	0.1251	0.3779	1.0951	0.0804	0.4565
88	42.76	-0.02	0.0015	0.0013	0.0035	0.1070	0.4160	1.0952	0.0795	0.4564
89	42.93	-0.02	0.0030	0.0043	0.0035	0.1303	0.4091	1.1120	0.0760	0.4643
90	43.11	-0.01	0.0045	0.0015	0.0005	0.1034	0.4367	1.1072	0.0760	0.4615
91	43.30	-0.02	0.0014	0.0007	0.0010	-0.0000	-1.2857	1.1158	0.0743	0.4628
92	43.48	-0.01	0.0082	0.0013	0.0020	0.1765	0.4290	1.1118	0.0777	0.4616

PAGE 2 OF 3
SHEET 3 OF 4

PART II MISSILE TAILS EFFECTS DATA

TEST PART MACH-XXIC-E													PHI		CONF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7 1.0 1.0 1.7													0.0 0.10011		C.C		0		-20		0		-20		UNKNOWN			
PCINT	ALPHA	BETA	CNF1	CHI	CBI	CONF1	YCPF1	CNF2	CHI2	CB2	XCPF2	YCPF2																
93	43.68	-0.02	-0.0332	-0.03063	-0.0114	0.1897	0.3434	1.1252	0.0743	0.4672	0.0660	0.4152																
94	43.68	-0.02	-0.0332	-0.03063	-0.0114	0.1897	0.3434	1.1252	0.0743	0.4672	0.0660	0.4152																
95	44.00	-0.01	-0.0338	-0.03113	-0.0261	0.2108	0.4669	1.1301	0.0747	0.4686	0.0661	0.4147																
96	44.21	-0.02	-0.0428	-0.03085	-0.0256	0.2605	0.6004	1.1200	0.0722	0.4654	0.0640	0.4126																
97	44.35	-0.01	-0.0341	-0.03063	-0.0156	0.2615	0.4709	1.1367	0.0711	0.4700	0.0625	0.4135																
98	44.57	-0.04	-0.0751	-0.03160	-0.0375	0.2027	0.4741	1.1410	0.0729	0.4726	0.0639	0.4142																
99	44.76	-0.02	-0.0672	-0.03030	-0.0386	0.3845	1.1282	1.1116	0.0637	0.4531	0.0573	0.4076																
100	44.95	-0.02	-0.0775	-0.03185	-0.0424	0.2444	0.5485	1.1441	0.0671	0.4731	0.0586	0.4135																
101	45.12	-0.01	-0.0673	-0.03035	-0.0343	0.2054	0.5690	1.1189	0.0639	0.4581	0.0571	0.4054																
102	45.30	-0.01	-0.0627	-0.03030	-0.0356	0.1111	2.0741	1.1076	0.0610	0.4524	0.0550	0.4064																
103	45.45	-0.02	-0.0582	-0.03137	-0.0247	0.2437	0.4395	1.1160	0.0615	0.4558	0.0551	0.4084																
104	45.66	-0.04	-0.0608	-0.0331	-0.0303	0.3522	0.0341	1.1004	0.0591	0.4465	0.0537	0.4058																
105	45.84	-0.02	-0.0366	-0.03068	-0.0207	0.2404	0.5056	1.1001	0.0608	0.4485	0.0553	0.4077																
106	46.01	-0.02	-0.1225	-0.0347	-0.0303	0.2823	0.5045	1.1304	0.0650	0.4640	0.0575	0.4105																
107	46.18	-0.02	-0.0503	-0.03243	-0.03450	0.3244	0.4963	1.1233	0.0586	0.4585	0.0523	0.4082																
108	46.36	-0.01	-0.0300	-0.03126	-0.0255	0.2529	0.5040	1.0975	0.0590	0.4464	0.0537	0.4067																
109	46.54	-0.02	-0.1656	-0.0325	-0.0342	0.2565	0.4945	1.1020	0.0595	0.4460	0.0543	0.4065																
110	46.70	-0.03	-0.0642	-0.03166	-0.0337	0.2010	0.5249	1.0652	0.0588	0.4256	0.0552	0.4033																
111	46.88	-0.05	-0.0334	-0.0327	-0.03472	0.3500	0.5054	1.1030	0.0585	0.4473	0.0530	0.4055																
112	47.07	-0.03	-0.0631	-0.0351	-0.0375	0.5230	0.5046	1.0909	0.0588	0.4413	0.0521	0.4045																
113	47.24	-0.05	-0.0605	-0.03352	-0.03324	0.5776	0.5320	1.0611	0.0563	0.4370	0.0521	0.4042																
114	47.36	-0.03	-0.0440	-0.0332	-0.03271	0.7442	0.6076	1.0738	0.0557	0.4325	0.0515	0.4031																
115	47.57	-0.05	-0.0256	-0.0306	-0.0304	1.0335	0.6892	1.0515	0.0568	0.4222	0.0540	0.4015																
116	47.70	-0.04	-0.0300	-0.0324	-0.0306	1.9333	1.9333	1.0615	0.0555	0.4264	0.0523	0.4017																
117	47.92	-0.04	-0.0331	-0.0327	-0.0310	-2.0376	0.0703	1.0400	0.0560	0.4165	0.0538	0.4005																
118	48.09	-0.03	-0.0335	-0.0315	-0.0286	-0.1674	0.4535	1.0020	0.0543	0.3963	0.0542	0.3955																
119	48.27	-0.04	-0.0341	-0.0315	-0.0178	-0.3806	0.4531	1.0052	0.0546	0.4033	0.0541	0.3956																
120	48.43	-0.04	-0.0423	-0.0304	-0.0245	0.1276	0.5742	0.8954	0.0559	0.3496	0.0624	0.3907																
121	48.62	-0.02	-0.0422	-0.03062	-0.0222	0.1455	0.5211	0.9089	0.0555	0.3567	0.0610	0.3925																
122	48.79	-0.04	-0.0423	-0.03062	-0.0231	0.1450	0.5435	0.8945	0.0554	0.3501	0.0616	0.3956																
123	48.93	-0.02	-0.0330	-0.03062	-0.0110	0.6300	0.8462	0.6361	0.0569	0.3285	0.0680	0.3925																
124	49.12	-0.02	-0.0440	-0.03060	-0.0200	-1.2447	-0.5000	0.6062	0.0581	0.3160	0.0720	0.3927																
125	49.28	-0.02	-0.0677	-0.03066	-0.0076	0.8829	1.0130	0.8237	0.0571	0.3245	0.0653	0.3940																
126	49.46	-0.02	-0.0602	-0.03035	-0.0001	-1.4450	0.5000	0.6145	0.0566	0.3246	0.0650	0.3955																
127	49.61	-0.01	-0.0343	-0.03025	-0.0061	-0.2027	0.4266	0.6045	0.0576	0.3199	0.0715	0.3974																
128	49.82	-0.00	-0.0316	-0.03031	-0.0130	-0.0032	0.4304	0.7857	0.0595	0.3123	0.0757	0.3975																
129	49.98	-0.01	-0.0347	-0.03032	-0.0130	-0.0396	0.4323	0.7808	0.0597	0.3099	0.0764	0.3965																
130	50.13	-0.00	-0.0456	-0.03016	-0.0201	0.0351	0.4400	0.7713	0.0605	0.3053	0.0765	0.3958																
131	50.30	-0.00	-0.0340	-0.03005	-0.0146	-0.0250	0.4408	0.7763	0.0596	0.3097	0.0768	0.3958																
132	50.49	-0.00	-0.0345	-0.03005	-0.0144	0.0131	0.3760	0.7794	0.0594	0.3131	0.0762	0.4017																
133	50.64	-0.00	-0.0356	-0.03006	-0.0145	-0.0202	0.3763	0.7734	0.0601	0.3096	0.0777	0.4003																
134	50.82	-0.01	-0.0430	-0.03011	-0.0152	-0.0250	0.3535	0.7850	0.0590	0.3171	0.0758	0.4035																
135	50.98	-0.01	-0.0357	-0.03004	-0.0140	-0.0101	0.3528	0.7840	0.0600	0.3152	0.0765	0.4020																
136	51.17	-0.00	-0.0422	-0.03013	-0.0138	-0.0300	0.3223	0.7875	0.0592	0.3162	0.0752	0.4015																
137	51.33	-0.01	-0.0422	-0.03007	-0.0132	-0.0166	0.3128	0.7968	0.0591	0.3212	0.0742	0.4031																
138	51.50	-0.00	-0.0379	-0.03011	-0.0108	-0.0290	0.2650	0.8007	0.0587	0.3225	0.0733	0.4028																

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART WACH RX10-6				PHI	CNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	136	1.10	1.7	G.C	0.100F11	G.C	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNF1	LM1	LB1	XCPF1	YCPF1	CNF2	CH2	CH2	XCPF2	YCPF2
139	51.67	0.01	-0.0326	0.0013	-0.0077	-0.0399	0.2362	0.7932	0.0582	0.3185	0.0734	0.4020
140	51.64	0.01	-0.0357	0.0014	-0.0101	-0.0112	0.2829	0.8016	0.0582	0.3234	0.0726	0.4034
141	52.00	0.01	-0.0365	0.00	-0.0052	0.0	0.2856	0.8129	0.0577	0.3266	0.0710	0.4045
142	52.21	0.01	-0.0315	0.0006	-0.0067	-0.0190	0.2127	0.8142	0.0575	0.3284	0.0706	0.4033
143	52.36	0.02	-0.0254	0.0011	-0.0055	-0.0374	0.1871	0.8142	0.0574	0.3285	0.0705	0.4040
144	52.56	0.02	-0.0267	0.0013	-0.0016	-0.0028	0.0773	0.8419	0.0563	0.3426	0.0665	0.4065
145	52.70	0.01	-0.0238	0.0015	-0.0045	-0.0030	0.1807	0.8315	0.0568	0.3350	0.0683	0.4037
146	52.87	-0.01	-0.0273	0.0015	-0.0047	-0.0044	0.1722	0.8329	0.0565	0.3372	0.0683	0.4040
147	53.03	0.01	-0.0210	0.0013	-0.0041	-0.0002	0.1898	0.8341	0.0565	0.3378	0.0682	0.4050
148	52.55	0.01	-0.0218	0.0009	-0.0022	-0.0013	0.1009	0.8190	0.0575	0.3315	0.0702	0.4048

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIS-6 PHI CANF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
7 1.0 1.10 1.7 C.C. 0.10011 0.0 0 -20 0 -20 UNKNOWN												
PLINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.73	0.00	0.0572	0.9999	0.0140	0.9999	0.2448	-1.2132	-0.0561	-0.5569	0.0462	0.4590
2	-5.74	-0.02	0.0571	0.9999	0.0140	0.9999	0.2442	-1.2119	-0.0569	-0.5546	0.0465	0.4576
3	-5.74	-0.01	0.0537	0.9999	0.0141	0.9999	0.2626	-1.2107	-0.0565	-0.5550	0.0470	0.4584
4	-5.73	-0.01	0.0570	0.9999	0.0157	0.9999	0.2754	-1.2100	-0.0567	-0.5540	0.0468	0.4576
5	-5.73	-0.01	0.0547	0.9999	0.0151	0.9999	0.2761	-1.2053	-0.0568	-0.5512	0.0471	0.4573
6	-5.74	-0.00	0.0536	0.9999	0.0150	0.9999	0.2799	-1.2131	-0.0567	-0.5546	0.0467	0.4572
7	-5.74	-0.02	0.0513	0.9999	0.0148	0.9999	0.2885	-1.2164	-0.0562	-0.5545	0.0461	0.4551
8	-5.65	-0.00	0.0570	0.9999	0.0157	0.9999	0.2754	-1.1751	-0.0621	-0.5346	0.0528	0.4592
9	-3.88	-0.01	0.0550	0.9999	0.0155	0.9999	0.2446	-1.1146	-0.0702	-0.5163	0.0630	0.4632
10	-2.14	-0.02	0.0662	0.9999	0.0160	0.9999	0.2417	-0.9976	-0.0673	-0.4610	0.0654	0.4620
11	-0.34	-0.02	0.0640	0.9999	0.0132	0.9999	0.2062	-0.6766	-0.0665	-0.3959	0.0758	0.4562
12	1.40	-0.01	0.0622	0.9999	0.0131	0.9999	0.2006	-0.7534	-0.0621	-0.3394	0.0824	0.4505
13	3.37	-0.01	0.0687	0.9999	0.0104	0.9999	0.1514	-0.6437	-0.0565	-0.2744	0.0882	0.4283
14	5.12	-0.01	0.0684	0.9999	0.0073	0.9999	0.1060	-0.5262	-0.0494	-0.2166	0.0939	0.4116
15	6.56	-0.01	0.0730	0.9999	0.0063	0.9999	0.0856	-0.4015	-0.0386	-0.1567	0.0966	0.3903
16	6.78	-0.01	0.0604	0.9999	0.0066	0.9999	0.1070	-0.3030	-0.0243	-0.1095	0.0943	0.3606
17	10.66	-0.02	0.0760	0.9999	0.0042	0.9999	0.0553	-0.1690	-0.0124	-0.0605	0.0656	0.3201
18	12.52	-0.00	0.0627	0.9999	0.0060	0.9999	0.0746	-0.0900	0.0052	-0.0155	-0.0578	0.1722
19	14.42	0.00	0.0564	0.9999	0.0055	0.9999	0.1027	-0.0154	0.0227	0.0241	-1.1698	-1.2423
20	16.37	-0.01	0.0661	0.9999	0.0066	0.9999	0.0790	0.0463	0.0430	0.0574	0.9265	1.2397
21	18.32	-0.02	0.0612	0.9999	0.0047	0.9999	0.0576	0.1171	0.0565	0.0570	0.4824	0.8284
22	20.27	-0.01	0.0871	0.9999	0.0087	0.9999	0.0999	0.1965	0.0086	0.1376	0.3455	0.6532
23	22.26	-0.01	0.0916	0.9999	0.0073	0.9999	0.0797	0.2546	0.0745	0.1644	0.2923	0.6452
24	24.23	-0.01	0.0661	0.9999	0.0075	0.9999	0.0647	0.3361	0.0813	0.2031	0.2404	0.6007
25	26.31	-0.00	0.1064	0.9999	0.0148	0.9999	0.1365	0.3780	0.0903	0.2240	0.2388	0.5926
26	26.17	0.03	0.1162	0.9999	0.0232	0.9999	0.1463	0.4064	0.0459	0.2406	0.2355	0.5925
27	26.17	0.03	0.1138	0.9999	0.0210	0.9999	0.1849	0.4108	0.0936	0.2445	0.2278	0.5962
28	26.18	0.04	0.1113	0.9999	0.0204	0.9999	0.1633	0.4227	0.0946	0.2505	0.2242	0.5926
29	28.45	0.02	0.1076	0.9999	0.0215	0.9999	0.2035	0.4322	0.0945	0.2527	0.2186	0.5647
30	26.73	0.03	0.1169	0.9999	0.0244	0.9999	0.2200	0.4494	0.0947	0.2606	0.2104	0.5752
31	29.06	0.02	0.1066	0.9999	0.0242	0.9999	0.2228	0.4702	0.0948	0.2692	0.2016	0.5723
32	29.36	0.03	0.0552	0.9999	0.0167	0.9999	0.1464	0.4711	0.0959	0.2706	0.2035	0.5746
33	29.66	0.03	0.1207	0.9999	0.0304	0.9999	0.2519	0.4932	0.0927	0.2792	0.1879	0.5661
34	29.96	0.03	0.1251	0.9999	0.0334	0.9999	0.2638	0.5031	0.0923	0.2825	0.1834	0.5615
35	30.25	0.04	0.1035	0.9999	0.0224	0.9999	0.2156	0.5170	0.0927	0.2893	0.1793	0.5596
36	30.53	0.03	0.1135	0.9999	0.0286	0.9999	0.2511	0.5358	0.0934	0.2973	0.1743	0.5546
37	30.80	0.04	0.1053	0.9999	0.0251	0.9999	0.2662	0.5391	0.0923	0.3083	0.1650	0.5514
38	31.07	0.05	0.1171	0.9999	0.0326	0.9999	0.2601	0.5618	0.0918	0.3103	0.1634	0.5523
39	31.36	0.03	0.0557	0.9999	0.0262	0.9999	0.2738	0.6076	0.0906	0.3321	0.1451	0.5466
40	31.64	0.02	0.0511	0.9999	0.0263	0.9999	0.2667	0.6193	0.0899	0.3381	0.1451	0.5459
41	31.91	0.03	0.0834	0.9999	0.0212	0.9999	0.2542	0.6205	0.0900	0.3351	0.1450	0.5463
42	32.19	0.00	0.0911	0.9999	0.0258	0.9999	0.2632	0.6463	0.0890	0.3503	0.1377	0.5420
43	32.45	0.00	0.0568	0.9999	0.0285	0.9999	0.2930	0.6664	0.0883	0.3595	0.1325	0.5395
44	32.71	0.00	0.0533	0.9999	0.0261	0.9999	0.2767	0.6874	0.0866	0.3653	0.1259	0.5372
45	32.97	-0.01	0.0685	0.9999	0.0230	0.9999	0.2567	0.6806	0.0860	0.3675	0.1293	0.5400
46	33.24	0.00	0.0685	0.9999	0.0221	0.9999	0.2466	0.7618	0.0874	0.3768	0.1245	0.5365

PAGE 3 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO-E PHI CENF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
7 1.5 1.10 1.7 C.C. BLK11 C.C. U -20 0 -20 UNKNOWN												
PCINT	ALPHA	BETA	CNF3	CH3	CB3	ACPF3	YCPF3	CNF4	CH4	CB4	ACPF4	YCPF4
47	33.50	0.001	0.0555	5.5555	0.0203	5.5555	0.2260	0.7235	0.0867	0.3866	0.1198	0.5343
48	33.75	0.00	0.0555	5.5555	0.0176	5.5555	0.2113	0.7116	0.0874	0.3802	0.1228	0.5341
49	33.95	-0.00	0.0555	5.5555	0.0217	5.5555	0.2414	0.7538	0.0866	0.3863	0.1180	0.5293
50	34.25	0.00	0.0555	5.5555	0.0175	5.5555	0.2050	0.7440	0.0881	0.3951	0.1157	0.5310
51	34.51	-0.01	0.0577	5.5555	0.0254	5.5555	0.2650	0.7671	0.0852	0.4037	0.1110	0.5263
52	34.75	0.00	0.0577	5.5555	0.0240	5.5555	0.2774	0.7875	0.0834	0.4118	0.1061	0.5243
53	34.98	-0.00	0.0577	5.5555	0.0210	5.5555	0.2428	0.7795	0.0857	0.4051	0.1055	0.5157
54	35.25	-0.01	0.0577	5.5555	0.0111	5.5555	0.1640	0.7796	0.0849	0.4060	0.1088	0.5204
55	35.45	-0.00	0.0577	5.5555	0.0215	5.5555	0.2454	0.7992	0.0842	0.4104	0.1065	0.5154
56	35.72	-0.00	0.0577	5.5555	0.0175	5.5555	0.2100	0.7998	0.0854	0.4141	0.1067	0.5178
57	35.98	0.01	0.0577	5.5555	0.0221	5.5555	0.2461	0.8020	0.0847	0.4139	0.1056	0.5161
58	36.20	0.01	0.0577	5.5555	0.0226	5.5555	0.2493	0.8024	0.0836	0.4248	0.1013	0.5148
59	36.44	-0.01	0.0577	5.5555	0.0226	5.5555	0.2517	0.8111	0.0847	0.4263	0.1019	0.5129
60	36.69	-0.01	0.0577	5.5555	0.0156	5.5555	0.2255	0.8104	0.0853	0.4147	0.1044	0.5138
61	36.95	-0.02	0.0577	5.5555	0.0170	5.5555	0.2359	0.8320	0.0855	0.4255	0.1027	0.5114
62	37.15	0.00	0.0577	5.5555	0.0240	5.5555	0.2643	0.8441	0.0838	0.4305	0.0993	0.5105
63	37.39	-0.01	0.0577	5.5555	0.0213	5.5555	0.2497	0.8411	0.0846	0.4254	0.1008	0.5105
64	37.64	0.01	0.0577	5.5555	0.0230	5.5555	0.2501	0.8600	0.0840	0.4352	0.0967	0.5060
65	37.88	0.01	0.0577	5.5555	0.0226	5.5555	0.2517	0.8657	0.0833	0.4399	0.0962	0.5061
66	38.12	0.00	0.0577	5.5555	0.0180	5.5555	0.2142	0.8713	0.0846	0.4404	0.0971	0.5055
67	38.36	-0.00	0.0577	5.5555	0.0255	5.5555	0.2739	0.8708	0.0838	0.4405	0.0985	0.5055
68	38.58	-0.00	0.0577	5.5555	0.0225	5.5555	0.2337	0.8836	0.0840	0.4471	0.0950	0.5060
69	38.82	-0.01	0.0577	5.5555	0.0177	5.5555	0.2249	0.8613	0.0892	0.4356	0.1035	0.5060
70	39.03	-0.01	0.0577	5.5555	0.0162	5.5555	0.2118	0.8503	0.0847	0.4350	0.0914	0.5032
71	39.25	-0.00	0.0577	5.5555	0.0160	5.5555	0.2192	0.8626	0.0885	0.4445	0.0940	0.5036
72	39.47	0.00	0.0577	5.5555	0.0263	5.5555	0.2443	0.8606	0.0836	0.4555	0.0923	0.5012
73	39.69	0.00	0.0577	5.5555	0.0176	5.5555	0.2231	0.8619	0.0884	0.4437	0.1002	0.5031
74	39.89	-0.01	0.0577	5.5555	0.0255	5.5555	0.2732	0.8714	0.0894	0.4583	0.0935	0.5018
75	40.12	-0.01	0.0577	5.5555	0.0210	5.5555	0.2428	0.8946	0.0831	0.4725	0.0880	0.5002
76	40.33	-0.02	0.0577	5.5555	0.0176	5.5555	0.2226	0.9303	0.0838	0.4654	0.0901	0.5008
77	40.52	-0.00	0.0577	5.5555	0.0214	5.5555	0.2506	0.9274	0.0847	0.4644	0.0913	0.5008
78	40.73	-0.01	0.0577	5.5555	0.0136	5.5555	0.1915	0.9305	0.0840	0.4683	0.0897	0.5001
79	40.94	-0.00	0.0577	5.5555	0.0254	5.5555	0.2758	0.9376	0.0843	0.4664	0.0899	0.4996
80	41.15	0.01	0.0577	5.5555	0.0214	5.5555	0.2506	0.9325	0.0845	0.4662	0.0906	0.4995
81	41.35	-0.01	0.0577	5.5555	0.0135	5.5555	0.2023	0.9589	0.0817	0.4767	0.0852	0.4971
82	41.55	-0.01	0.0577	5.5555	0.0217	5.5555	0.2574	0.9502	0.0845	0.4731	0.0885	0.4979
83	41.75	-0.01	0.0577	5.5555	0.0226	5.5555	0.2664	0.9716	0.0816	0.4837	0.0840	0.4978
84	41.95	-0.01	0.0577	5.5555	0.0151	5.5555	0.2234	0.9670	0.0806	0.4807	0.0833	0.4968
85	42.20	-0.02	0.0577	5.5555	0.0125	5.5555	0.1976	0.9605	0.0762	0.4849	0.0777	0.4943
86	42.34	-0.02	0.0577	5.5555	0.0156	5.5555	0.2500	0.9636	0.0806	0.4761	0.0838	0.4962
87	42.50	-0.02	0.0577	5.5555	0.0154	5.5555	0.2166	0.9716	0.0762	0.4805	0.0784	0.4943
88	42.70	-0.02	0.0577	5.5555	0.0163	5.5555	0.2463	0.9629	0.0756	0.4751	0.0785	0.4934
89	42.93	-0.02	0.0577	5.5555	0.0150	5.5555	0.2477	0.9755	0.0797	0.4813	0.0816	0.4934
90	43.11	-0.01	0.0577	5.5555	0.0163	5.5555	0.2293	0.9523	0.0746	0.4707	0.0785	0.4943
91	43.30	-0.02	0.0577	5.5555	0.0177	5.5555	0.2466	0.9702	0.0800	0.4795	0.0824	0.4942
92	43.48	-0.01	0.0577	5.5555	0.0166	5.5555	0.2523	0.9627	0.0761	0.4743	0.0790	0.4927

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	MACH-6	PHI	CONF	L	CELL	CELL2	CELL3	CELL4	TRANSITION		
7	1.38	1.10	1.7	C.C. B100F11	O.C	0	-20	0	-20	UNKNOWN		
FCINT	ALPHA	BETA	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF
93	45.68	-0.02	0.0612	5.5555	0.0133	5.5555	0.2173	0.9647	0.0758	0.4746	0.0786	0.4920
94	45.68	-0.03	0.0658	5.5555	0.0163	5.5555	0.2485	0.9739	0.0785	0.4804	0.0806	0.4933
95	46.00	-0.01	0.0613	5.5555	0.0225	5.5555	0.2817	0.9702	0.0747	0.4768	0.0776	0.4914
96	46.21	-0.02	0.0712	5.5555	0.0190	5.5555	0.2669	0.9502	0.0702	0.4677	0.0735	0.4922
97	46.35	-0.03	0.0655	5.5555	0.0067	5.5555	0.1573	0.9471	0.0715	0.4656	0.0755	0.4916
98	46.57	-0.04	0.0635	5.5555	0.0153	5.5555	0.2409	0.9300	0.0643	0.4592	0.0691	0.4936
99	46.76	-0.02	0.0751	5.5555	0.0237	5.5555	0.2996	0.9628	0.0721	0.4735	0.0745	0.4922
100	46.95	-0.02	0.0612	5.5555	0.0151	5.5555	0.2467	0.9274	0.0644	0.4581	0.0694	0.4940
101	45.12	-0.01	0.0713	5.5555	0.0204	5.5555	0.2561	0.9476	0.0683	0.4671	0.0721	0.4925
102	45.30	-0.01	0.0724	5.5555	0.0205	5.5555	0.2667	0.9471	0.0682	0.4678	0.0720	0.4935
103	45.45	-0.02	0.0652	5.5555	0.0153	5.5555	0.2785	0.9083	0.0635	0.4500	0.0703	0.4954
104	45.66	-0.03	0.0770	5.5555	0.0244	5.5555	0.3169	0.9283	0.0653	0.4597	0.0703	0.4952
105	45.84	-0.02	0.0753	5.5555	0.0246	5.5555	0.3102	0.9013	0.0621	0.4474	0.0685	0.4964
106	46.01	-0.02	0.0602	5.5555	0.0161	5.5555	0.2658	0.8570	0.0633	0.4226	0.0738	0.5001
107	46.18	-0.02	0.0552	5.5555	0.0150	5.5555	0.2534	0.8626	0.0635	0.4313	0.0741	0.5000
108	46.30	-0.01	0.0656	5.5555	0.0205	5.5555	0.3176	0.8424	0.0636	0.4448	0.0716	0.4984
109	46.54	-0.02	0.0751	5.5555	0.0230	5.5555	0.3063	0.8399	0.0638	0.4222	0.0759	0.5027
110	46.70	-0.03	0.0655	5.5555	0.0205	5.5555	0.3171	0.8604	0.0642	0.4304	0.0746	0.5002
111	46.80	-0.03	0.0661	5.5555	0.0201	5.5555	0.3045	0.8256	0.0651	0.4176	0.0785	0.5033
112	47.07	-0.03	0.0653	5.5555	0.0216	5.5555	0.3006	0.8007	0.0651	0.4083	0.0807	0.5061
113	47.24	-0.03	0.0553	5.5555	0.0155	5.5555	0.2614	0.7935	0.0661	0.4031	0.0833	0.5080
114	47.36	-0.03	0.0636	5.5555	0.0150	5.5555	0.2476	0.8024	0.0663	0.4007	0.0824	0.5065
115	47.57	-0.03	0.0604	5.5555	0.0165	5.5555	0.2796	0.8023	0.0666	0.4072	0.0830	0.5075
116	47.76	-0.04	0.0571	5.5555	0.0144	5.5555	0.2522	0.8104	0.0666	0.4120	0.0816	0.5047
117	47.92	-0.04	0.0626	5.5555	0.0154	5.5555	0.3099	0.8074	0.0681	0.4070	0.0843	0.5041
118	48.09	-0.03	0.0741	5.5555	0.0235	5.5555	0.3225	0.8400	0.0676	0.4250	0.0755	0.5024
119	48.27	-0.04	0.0775	5.5555	0.0255	5.5555	0.3362	0.8551	0.0672	0.4275	0.0786	0.4995
120	48.43	-0.04	0.0706	5.5555	0.0232	5.5555	0.3286	0.8833	0.0677	0.4354	0.0764	0.4960
121	48.62	-0.02	0.0546	5.5555	0.0165	5.5555	0.3011	0.9075	0.0677	0.4571	0.0746	0.4927
122	48.77	-0.04	0.0616	5.5555	0.0160	5.5555	0.2913	0.9079	0.0687	0.4461	0.0756	0.4914
123	48.93	-0.02	0.0550	5.5555	0.0138	5.5555	0.2505	0.8936	0.0687	0.4393	0.0769	0.4918
124	49.12	-0.02	0.0603	5.5555	0.0201	5.5555	0.3032	0.8541	0.0674	0.4224	0.0785	0.4946
125	49.26	-0.02	0.0657	5.5555	0.0222	5.5555	0.3185	0.8466	0.0689	0.4194	0.0790	0.4954
126	49.40	-0.02	0.0553	5.5555	0.0160	5.5555	0.2685	0.8649	0.0683	0.4055	0.0755	0.4934
127	49.61	-0.01	0.0640	5.5555	0.0151	5.5555	0.2984	0.8288	0.0660	0.4104	0.0756	0.4952
128	49.82	0.00	0.0550	5.5555	0.0161	5.5555	0.2927	0.8323	0.0660	0.4101	0.0793	0.4927
129	49.98	-0.01	0.0705	5.5555	0.0214	5.5555	0.3018	0.8180	0.0681	0.4033	0.0808	0.4930
130	50.13	0.00	0.0721	5.5555	0.0220	5.5555	0.3051	0.8046	0.0682	0.3977	0.0817	0.4912
131	50.30	-0.00	0.0667	5.5555	0.0208	5.5555	0.3028	0.8059	0.0656	0.3954	0.0814	0.4906
132	50.49	-0.00	0.0664	5.5555	0.0211	5.5555	0.3178	0.7924	0.0640	0.3852	0.0807	0.4909
133	50.64	-0.00	0.0665	5.5555	0.0204	5.5555	0.2961	0.7799	0.0648	0.3823	0.0831	0.4902
134	50.82	0.01	0.0723	5.5555	0.0220	5.5555	0.3043	0.7640	0.0641	0.3630	0.0817	0.4885
135	50.98	-0.01	0.0658	5.5555	0.0183	5.5555	0.2793	0.7843	0.0644	0.3533	0.0821	0.4880
136	51.17	-0.01	0.0770	5.5555	0.0243	5.5555	0.3100	0.7766	0.0634	0.3756	0.0816	0.4887
137	51.33	-0.01	0.0737	5.5555	0.0228	5.5555	0.3066	0.7693	0.0631	0.3856	0.0799	0.4885
138	51.50	0.00	0.0666	5.5555	0.0207	5.5555	0.3099	0.7711	0.0628	0.3760	0.0814	0.4876

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-C				PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 158 1.10 1.7				0.0	0.100011	C.C	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CH3	CS3	XCPF3	YCPF3	CNF4	CH4	CS4	XCPF4	YCPF4
139	51.67	0.01	0.0736	5.9999	0.0236	5.9999	0.3207	0.7556	0.0625	0.3681	0.0827	0.4872
140	51.64	0.01	0.0745	5.9999	0.0237	5.9999	0.3164	0.7761	0.0625	0.3767	0.0805	0.4854
141	52.00	0.01	0.0600	5.9999	0.0161	5.9999	0.2683	0.7650	0.0628	0.3803	0.0800	0.4845
142	52.21	0.01	0.0635	5.9999	0.0172	5.9999	0.2803	0.7767	0.0624	0.3779	0.0801	0.4853
143	52.56	0.02	0.0635	5.9999	0.0172	5.9999	0.2803	0.7671	0.0615	0.3717	0.0807	0.4846
144	52.56	0.02	0.0762	5.9999	0.0236	5.9999	0.3123	0.7774	0.0622	0.3773	0.0800	0.4853
145	52.75	0.01	0.0704	5.9999	0.0215	5.9999	0.3054	0.7684	0.0620	0.3732	0.0807	0.4857
146	52.87	-0.01	0.0726	5.9999	0.0213	5.9999	0.2922	0.7758	0.0621	0.3756	0.0800	0.4841
147	53.03	0.01	0.0660	5.9999	0.0160	5.9999	0.2727	0.7718	0.0623	0.3735	0.0807	0.4845
148	52.55	0.01	0.0654	5.9999	0.0210	5.9999	0.3026	0.7627	0.0623	0.3658	0.0817	0.4845

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH KX10-E			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 140 0.80 1.7			0.0	0.100F14	C.C	0	-20	0	-20	UNKNOWN	
PLINT	ALPHA	BETA	GN	CLM	CY	CLA	LLL	CA	LAB	CAF	XCP
1	-5.74	0.001	-1.8721	6.5280	0.0112	-0.0447	0.0155	0.7243	0.1906	0.5337	-3.4848
2	-5.75	0.001	-1.8721	6.5280	0.0247	-0.0695	0.0156	0.7247	0.1934	0.5313	-3.4848
3	-5.75	0.001	-1.8763	6.5385	0.0232	-0.0536	0.0156	0.7275	0.1925	0.5254	-3.4850
4	-5.75	0.001	-1.8754	6.5556	0.0400	-0.0718	0.0156	0.7280	0.1915	0.5305	-3.4956
5	-5.74	0.001	-1.8502	6.5671	0.0643	-0.1005	0.0157	0.7276	0.1924	0.5352	-3.4743
6	-5.74	0.001	-1.8914	6.5508	0.0563	-0.0822	0.0156	0.7277	0.1926	0.5349	-3.4635
7	-5.75	0.001	-1.8778	6.5228	0.0248	-0.0702	0.0156	0.7261	0.1919	0.5342	-3.4740
8	-5.79	0.004	-1.8600	6.5642	0.0606	-0.1092	0.0157	0.7268	0.1927	0.5361	-3.4953
9	-5.89	0.001	-1.8542	6.4758	0.0520	-0.1209	0.0157	0.7334	0.1923	0.5411	-3.4947
10	-5.23	0.001	-1.7100	6.1460	0.0351	-0.0839	0.0159	0.7193	0.1845	0.5348	-3.5774
11	-3.37	0.001	-1.4152	5.4543	0.0102	-0.0571	0.0163	0.6715	0.1733	0.4983	-3.8540
12	-1.82	0.001	-1.1283	4.7433	0.0834	-0.1130	0.0169	0.6028	0.1440	0.4588	-4.2483
13	0.21	0.001	-0.5063	4.3161	0.0541	-0.0866	0.0244	0.5603	0.1249	0.4304	-4.7624
14	1.98	0.001	-0.8575	3.8064	0.0886	-0.1002	0.0179	0.5271	0.1348	0.3923	-5.6796
15	3.75	0.001	-0.4254	3.1880	0.0529	-0.0981	0.0184	0.4902	0.1340	0.3562	-7.9553
16	5.34	0.001	-0.1798	2.9176	0.0528	-0.0963	0.0169	0.4464	0.1344	0.3121	-16.2286
17	7.38	0.001	0.0040	2.4472	0.0686	-0.0964	0.0194	0.4063	0.1375	0.2688	38.2172
18	9.13	0.001	0.2935	2.0278	0.0911	-0.0908	0.0272	0.3770	0.1444	0.2326	6.9006
19	10.93	0.001	0.5517	1.5875	0.0257	-0.0233	0.0349	0.3392	0.1485	0.1907	2.8775
20	12.70	0.002	0.7950	1.2010	0.0412	-0.0119	0.0213	0.3138	0.1551	0.1587	1.5782
21	14.56	0.001	1.0354	0.8123	0.0404	-0.0242	0.0293	0.2919	0.1620	0.1259	0.9776
22	16.34	0.001	1.3061	0.8115	0.0245	0.0372	0.0230	0.2690	0.1734	0.0956	0.6213
23	18.16	0.002	1.5528	0.5213	-0.1392	0.3104	0.0374	0.2395	0.1850	0.0549	0.3357
24	19.96	0.003	1.8598	0.1617	-0.3470	1.0434	0.0073	0.2004	0.1971	0.0033	0.0977
25	21.80	0.005	2.1957	-0.2056	-0.5035	1.5771	0.0839	0.1635	0.2109	-0.0474	-0.0955
26	23.63	0.008	2.5402	-0.0275	-0.8113	2.4041	0.0695	0.1304	0.2257	-0.0953	-0.2472
27	25.42	0.003	2.8474	-0.7831	-0.3896	1.4063	0.0379	0.0822	0.2281	-0.1459	-0.2750
28	27.20	0.006	3.2267	-0.8220	0.1757	-0.0493	0.0729	0.0321	0.2272	-0.1951	-0.2548
29	27.81	0.001	3.2864	-0.7611	0.3833	-0.6235	0.0815	0.0047	0.2272	-0.2225	-0.2318
30	28.09	0.001	3.2888	-0.7507	0.3616	-0.5283	0.0744	0.0194	0.2295	-0.2101	-0.2301
31	28.38	0.006	3.3784	-0.7720	0.2245	-0.0176	0.0663	0.0056	0.2318	-0.2262	-0.2288
32	28.70	0.006	3.4634	-0.8371	0.1584	0.1603	0.0507	0.0032	0.2360	-0.2392	-0.2417
33	29.00	0.002	3.5193	-0.8788	0.3655	-0.3527	0.0822	0.0075	0.2375	-0.2450	-0.2457
34	29.20	0.001	3.6128	-0.9053	0.2524	0.2271	0.0734	0.0147	0.2412	-0.2559	-0.2672
35	29.56	0.001	3.6568	-0.9870	0.2700	0.2749	0.0506	0.0220	0.2454	-0.2674	-0.2677
36	29.85	0.003	3.7040	-1.1140	0.5071	-0.1803	0.0968	0.0242	0.2473	-0.2715	-0.2544
37	30.11	0.003	3.8262	-1.1115	0.4757	-0.0897	0.0967	0.0271	0.2501	-0.2772	-0.2903
38	30.37	0.002	3.8956	-1.1057	0.4548	0.0240	0.0985	0.0320	0.2533	-0.2853	-0.2989
39	30.65	0.002	3.9576	-1.1648	0.3415	-0.4800	0.0609	0.0409	0.2585	-0.2995	-0.2964
40	30.92	0.003	4.0664	-1.3551	0.4586	0.3701	0.0612	0.0535	0.2609	-0.3145	-0.3337
41	31.20	0.002	4.1634	-1.3608	0.4616	0.5425	0.0954	0.0571	0.2692	-0.3264	-0.3301
42	31.40	0.003	4.2223	-1.4251	0.4241	0.5565	0.0510	0.0597	0.2688	-0.3280	-0.3377
43	31.74	0.004	4.3721	-1.5258	0.5778	0.6065	0.1029	0.0889	0.2716	-0.3408	-0.3490
44	32.00	0.003	4.4118	-1.3073	0.4426	0.6835	0.0743	0.0704	0.2697	-0.3462	-0.2963
45	32.25	0.003	4.4648	-1.1344	0.5545	0.1390	0.0766	0.0856	0.2631	-0.3528	-0.2541
46	32.52	0.005	4.5052	-1.2355	0.7421	-0.0263	0.0909	0.0946	0.2683	-0.3630	-0.2653

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RAIO-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
7 140 C.C.C 1.7 C.C.C 010F14 0.0 0 -20 0 -20 UNKNOWN											
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	LAE	CAF	XCP
47	32.78	0.04	4.6666	-1.0562	0.6503	-0.1631	0.0057	-0.1021	0.2664	-0.3685	-0.2343
48	33.02	0.05	4.6634	-1.0609	0.7602	-0.3137	0.1010	-0.1044	0.2692	-0.3736	-0.2262
49	33.28	0.05	4.6358	-1.0573	0.6878	-0.0200	0.0358	-0.1216	0.2641	-0.3857	-0.2185
50	33.52	0.05	4.6164	-1.0274	0.6675	0.0065	0.0706	-0.1216	0.2603	-0.3961	-0.2090
51	33.77	0.05	5.1363	-1.4420	0.7000	0.6226	0.0987	-0.1235	0.2670	-0.4105	-0.2867
52	34.03	0.06	5.1505	-1.3552	0.6762	0.7352	0.0984	-0.1261	0.2674	-0.4140	-0.2716
53	34.27	0.06	5.2770	-1.5852	0.7251	0.6165	0.1355	-0.1359	0.2905	-0.4267	-0.3004
54	34.51	0.07	5.4236	-1.7345	0.7819	1.0302	0.1122	-0.1457	0.2979	-0.4435	-0.3198
55	34.75	0.07	5.4324	-1.6626	0.6852	0.6675	0.1135	-0.1529	0.2964	-0.4492	-0.2950
56	35.01	0.07	5.6129	-1.7367	0.7563	1.1595	0.1265	-0.1646	0.3029	-0.4676	-0.3450
57	35.23	0.08	5.5665	-1.5434	1.0050	-0.0017	0.1395	-0.1602	0.2917	-0.4518	-0.2772
58	35.47	0.07	5.6674	-1.2771	0.9474	-0.3650	0.1355	-0.1854	0.2656	-0.4690	-0.2253
59	35.70	0.07	5.6555	-1.1237	1.0046	-1.5786	0.0932	-0.1980	0.2773	-0.4753	-0.1987
60	35.92	0.07	5.6696	-1.2524	1.0232	-1.1103	0.0926	-0.1923	0.2614	-0.4742	-0.2202
61	36.16	0.07	5.6536	-1.5510	1.0638	-0.8595	0.1369	-0.1910	0.2970	-0.4880	-0.2718
62	36.41	0.08	6.0100	-1.7324	1.0320	-0.6568	0.1066	-0.2023	0.3031	-0.5054	-0.2881
63	36.64	0.09	6.1526	-1.6070	1.0015	-0.4138	0.0966	-0.2134	0.3031	-0.5165	-0.2547
64	36.88	0.08	6.1370	-1.0460	0.8936	-0.4724	0.0921	-0.2196	0.3008	-0.5204	-0.2686
65	37.11	0.08	6.2255	-1.6564	0.9220	-0.1501	0.0913	-0.2335	0.2981	-0.5316	-0.2664
66	37.33	0.07	6.3060	-1.6440	0.7572	0.4621	0.0991	-0.2407	0.3014	-0.5426	-0.2925
67	37.56	0.08	6.5751	-2.2350	0.7575	1.0138	0.0376	-0.2508	0.3175	-0.5681	-0.3397
68	37.81	0.08	6.6000	-2.2563	0.8153	1.3230	0.0005	-0.2381	0.3240	-0.5871	-0.3415
69	38.04	0.09	6.7743	-2.2588	0.6842	2.1192	0.0006	-0.2136	0.3368	-0.5524	-0.3353
70	38.27	0.10	6.8234	-2.1435	0.7504	2.0503	0.0121	-0.1845	0.3641	-0.5536	-0.3215
71	38.49	0.09	6.5505	-2.2167	0.7263	2.3409	-0.0241	-0.1576	0.3828	-0.5404	-0.3171
72	38.71	0.10	6.6661	-2.2212	0.7805	2.3359	-0.0239	-0.1644	0.3666	-0.5510	-0.3143
73	38.93	0.11	7.2132	-2.3267	0.9284	2.3367	-0.0238	-0.1572	0.3921	-0.5455	-0.3228
74	39.15	0.10	7.2540	-2.2302	0.8452	2.2350	-0.0228	-0.1652	0.4024	-0.5676	-0.3058
75	39.34	0.11	7.4255	-2.3312	0.9474	2.1007	-0.0292	-0.1680	0.4010	-0.5670	-0.3139
76	39.56	0.10	7.4703	-2.3105	0.9117	1.9735	-0.0214	-0.1782	0.4025	-0.5807	-0.3053
77	39.77	0.10	7.4772	-2.1374	0.9585	1.9593	0.0245	-0.2153	0.3693	-0.6046	-0.2858
78	39.96	0.10	7.5370	-2.1285	0.9047	1.3621	0.0251	-0.2009	0.3693	-0.5962	-0.2825
79	40.18	0.10	7.6436	-2.1775	0.9425	1.7275	0.0364	-0.2317	0.3851	-0.6168	-0.2849
80	40.38	0.10	7.6432	-2.1262	0.9170	1.5514	0.0405	-0.2393	0.3707	-0.6100	-0.2786
81	40.57	0.09	7.6544	-2.0084	0.8750	1.4066	0.0546	-0.2690	0.3642	-0.6332	-0.2610
82	40.80	0.09	7.5150	-2.1572	0.9752	1.7571	0.0102	-0.2301	0.3900	-0.6201	-0.2776
83	41.00	0.10	7.5355	-2.0296	0.9999	1.7168	0.0252	-0.2337	0.3911	-0.6268	-0.2556
84	41.20	0.11	8.0575	-2.1653	1.0245	1.8841	-0.0102	-0.1615	0.4224	-0.6044	-0.2659
85	41.39	0.11	8.1554	-2.2447	1.0341	1.7767	-0.0247	-0.1855	0.4323	-0.6178	-0.2738
86	41.60	0.10	8.2742	-2.1023	1.0722	1.9223	-0.0321	-0.1735	0.4350	-0.6085	-0.2637
87	41.80	0.11	8.3556	-2.2051	1.1472	1.8648	-0.0460	-0.1724	0.4538	-0.6262	-0.2625
88	41.97	0.10	8.3666	-1.9407	1.0551	1.6227	-0.0015	-0.2280	0.4180	-0.6460	-0.2320
89	42.17	0.11	8.5447	-2.2212	1.1840	1.7477	-0.0377	-0.1687	0.4390	-0.6077	-0.2558
90	42.34	0.11	8.5543	-2.0933	1.1562	1.8624	-0.0307	-0.1922	0.4442	-0.6364	-0.2447
91	42.53	0.11	8.6851	-2.1074	1.2338	1.5612	-0.0433	-0.1667	0.4671	-0.6358	-0.2425
92	42.70	0.12	8.7721	-2.2417	1.4324	1.5014	-0.0560	-0.1636	0.4768	-0.6404	-0.2555

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH #XIC-E											
7 143 0.80 1.7											
PRI CNF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
C.G. B16G14 C.G. 0 -20 0 -20 UNKNOWN											
PCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
93	42.89	0.12	8.8184	-2.1880	1.4103	1.4276	-0.0500	-0.1655	0.4731	-0.6386	-0.2481
94	43.08	0.09	8.8885	-2.2585	1.1833	1.6586	-0.0280	-0.2037	0.4703	-0.6741	-0.2541
95	43.26	0.11	8.9758	-2.2503	1.2949	1.6075	-0.0262	-0.2018	0.4722	-0.6741	-0.2506
96	43.42	0.12	9.1534	-2.3823	1.5603	1.1021	-0.0620	-0.1617	0.4900	-0.6516	-0.2603
97	43.62	0.12	9.2669	-2.5042	1.5055	1.2436	-0.0621	-0.1712	0.4886	-0.6557	-0.2702
98	43.79	0.11	9.1725	-2.3523	1.3848	1.4785	-0.0558	-0.1674	0.4872	-0.6545	-0.2602
99	43.97	0.12	9.3286	-2.4054	1.5447	1.1170	-0.0542	-0.1747	0.4851	-0.6637	-0.2583
100	44.17	0.12	9.4340	-2.0653	1.5118	1.3527	-0.0477	-0.1828	0.4909	-0.6737	-0.2825
101	44.35	0.10	9.5738	-2.3558	1.2552	1.4246	0.0399	-0.2529	0.4266	-0.6796	-0.2513
102	44.52	0.11	9.4451	-2.5507	1.4303	1.2490	-0.0322	-0.2116	0.4834	-0.6550	-0.2699
103	44.69	0.12	9.5518	-2.6124	1.5837	1.2859	-0.0592	-0.1803	0.4504	-0.6767	-0.2735
104	44.88	0.12	9.6318	-2.7800	1.6126	1.2500	-0.0540	-0.2032	0.4409	-0.6541	-0.2866
105	45.07	0.13	9.7330	-2.8377	1.6745	1.2517	-0.0538	-0.1978	0.4596	-0.6544	-0.2916
106	45.24	0.11	9.7326	-2.7825	1.5887	1.3843	-0.0612	-0.1939	0.4574	-0.6513	-0.2859
107	45.39	0.11	9.8105	-2.8155	1.5507	1.4771	-0.0542	-0.2102	0.4551	-0.7053	-0.2870
108	45.58	0.10	10.0401	-3.2544	1.3924	1.4768	0.0093	-0.2558	0.4680	-0.7239	-0.3284
109	45.75	0.10	10.0173	-2.5625	1.5555	1.2940	-0.0457	-0.1919	0.5026	-0.6545	-0.2958
110	45.93	0.11	9.5872	-2.8851	1.5744	1.2665	-0.0305	-0.2047	0.5012	-0.7059	-0.2889
111	46.09	0.10	10.7189	-3.0013	1.4629	1.2885	-0.0452	-0.2149	0.5022	-0.7171	-0.2567
112	46.27	0.11	10.2161	-3.1311	1.5751	1.3786	-0.0383	-0.2223	0.4984	-0.7205	-0.3065
113	46.45	0.10	10.3420	-3.1477	1.5661	1.3447	-0.0376	-0.2190	0.5050	-0.7240	-0.3043
114	46.62	0.09	10.4538	-3.5773	1.4185	2.0532	-0.0113	-0.2612	0.4821	-0.7433	-0.3231
115	46.78	0.10	10.5348	-3.3360	1.3883	2.3693	-0.0323	-0.2679	0.4811	-0.7451	-0.3167
116	46.96	0.09	10.5360	-3.2281	1.3052	2.3349	-0.0117	-0.2675	0.4826	-0.7501	-0.3064
117	47.15	0.09	10.6127	-3.2185	1.2675	2.4512	0.0027	-0.2690	0.4858	-0.7548	-0.3031
118	47.30	0.07	10.4426	-3.1265	0.9565	2.7513	-0.0275	-0.2905	0.4722	-0.7707	-0.2980
119	47.48	0.09	10.7882	-3.2365	1.2403	2.7461	-0.0268	-0.2744	0.4883	-0.7627	-0.3006
120	47.65	0.06	10.7381	-3.1206	0.9455	2.7845	-0.0264	-0.2802	0.4835	-0.7697	-0.2906
121	47.82	0.06	10.7560	-3.1338	1.0800	2.9339	-0.0196	-0.2973	0.4859	-0.7672	-0.2902
122	47.97	0.03	10.4772	-2.3845	0.9586	2.9827	-0.0412	-0.3544	0.4473	-0.8217	-0.2257
123	48.14	0.04	10.6017	-2.8025	0.9850	3.3861	-0.0425	-0.3687	0.4221	-0.7508	-0.2455
124	48.29	0.02	10.4406	-2.0671	0.3802	3.2493	-0.0781	-0.4227	0.3577	-0.8204	-0.1980
125	48.46	0.03	10.3458	-1.6752	0.1363	3.0710	-0.0896	-0.4432	0.3739	-0.8171	-0.1619
126	48.63	-0.01	10.2756	-1.4602	0.0410	2.7017	-0.0535	-0.4808	0.3615	-0.8203	-0.1362
127	48.79	-0.02	10.2162	-1.0837	-0.0685	2.6500	-0.0575	-0.4731	0.3540	-0.8271	-0.1061
128	48.98	0.01	10.2517	-1.4554	0.1221	3.3553	-0.0649	-0.4440	0.3706	-0.8146	-0.1607
129	49.16	-0.02	10.3886	-1.3658	-0.0814	2.6839	-0.0558	-0.4868	0.3594	-0.8242	-0.1315
130	49.34	0.00	10.6622	-1.7221	0.0106	3.3802	-0.0836	-0.4469	0.3771	-0.8240	-0.1612
131	49.48	-0.01	10.5055	-1.3334	-0.0155	3.0804	-0.0752	-0.4738	0.3634	-0.8372	-0.1289
132	49.66	0.01	10.5730	-2.3013	0.1427	3.4586	-0.0900	-0.4109	0.4120	-0.8237	-0.2152
133	49.85	0.00	10.7051	-1.7856	-0.1003	2.9587	-0.0742	-0.4498	0.3858	-0.8356	-0.1659
134	50.01	-0.02	10.7441	-1.6141	-0.0200	2.8457	-0.0735	-0.4449	0.3518	-0.8307	-0.1502
135	50.20	0.02	11.2139	-2.4984	0.2767	3.0042	-0.0589	-0.3720	0.4210	-0.7530	-0.2228
136	50.34	0.00	10.8712	-1.0380	0.1423	2.8865	-0.0666	-0.4323	0.3968	-0.8251	-0.1691
137	50.53	0.03	11.3297	-2.7975	0.4556	3.4391	-0.0394	-0.3290	0.4659	-0.7549	-0.2469
138	50.70	0.03	11.3690	-2.5004	0.4344	3.5353	-0.0398	-0.3384	0.4676	-0.8259	-0.2547

PAGE 1 OF 3
SHEET 4 OF 6

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART		MACF RX10-6		PRI		CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION
7		14C G.C. 1.7		G.C. 0.10CF14		G.C.		0		-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CA	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP			
139	50.80	0.03	11.4669	-2.8466	0.4430	3.3920	-0.0391	-0.3419	0.4931	-0.8369	-0.2570			
140	51.03	0.05	11.6869	-3.2851	0.7075	3.4368	-0.0321	-0.3353	0.5074	-0.8426	-0.2610			
141	51.21	0.06	11.7517	-3.3686	0.8277	3.6680	-0.0465	-0.3350	0.5050	-0.8555	-0.2657			
142	51.37	0.08	11.8706	-3.3414	0.7270	4.1140	-0.0344	-0.3407	0.5064	-0.8530	-0.2615			
143	51.55	0.05	11.6767	-3.3602	0.7062	3.5508	-0.0472	-0.3647	0.5060	-0.8707	-0.2846			
144	51.71	0.06	12.0392	-3.3770	0.8989	4.1430	-0.0477	-0.3644	0.5069	-0.8713	-0.2971			
145	51.89	0.06	12.0754	-3.3536	0.7340	4.2092	-0.0422	-0.3793	0.5070	-0.8863	-0.2943			
146	52.04	0.08	12.1649	-3.6243	0.5430	4.3784	-0.0703	-0.3840	0.5065	-0.8911	-0.2979			
147	52.21	0.05	12.2672	-3.6040	1.0585	4.4688	-0.0707	-0.3978	0.4561	-0.8939	-0.2938			
148	52.38	0.09	12.2558	-3.3857	1.1003	4.3851	-0.0922	-0.4308	0.4747	-0.9050	-0.2903			
149	52.56	0.10	12.3552	-3.3466	1.2259	4.4232	-0.0704	-0.4415	0.4719	-0.9135	-0.2871			
150	52.72	0.10	12.4551	-3.7609	1.3063	4.1518	-0.0838	-0.4407	0.4638	-0.9066	-0.3009			
151	52.89	0.11	12.5666	-3.7301	1.5137	3.6138	-0.0674	-0.4483	0.4500	-0.8984	-0.2968			
152	53.07	0.12	12.6552	-3.5855	1.5431	3.5590	-0.0666	-0.4419	0.4571	-0.8991	-0.3169			
153	53.24	0.11	12.7556	-3.5561	1.4235	3.6585	-0.0742	-0.4467	0.4553	-0.9021	-0.3093			
154	53.38	0.10	13.0115	-4.3677	1.4659	3.6770	-0.0491	-0.4180	0.4638	-0.8825	-0.3126			
155	53.54	0.10	13.0154	-3.5443	1.4681	2.7531	-0.0164	-0.4058	0.4647	-0.8706	-0.3030			
156	53.71	0.11	13.1355	-4.0009	1.5064	2.9003	-0.0332	-0.4053	0.4638	-0.8662	-0.3046			
157	53.87	0.12	13.2175	-4.1711	1.6467	2.6862	-0.0200	-0.4215	0.4747	-0.8963	-0.3156			
158	54.14	0.10	13.4380	-4.1455	1.5275	3.0110	-0.0034	-0.4062	0.4523	-0.8585	-0.3085			
159	54.26	0.10	13.3854	-3.9805	1.4134	2.5680	-0.0142	-0.3840	0.5054	-0.8534	-0.2576			
160	54.42	0.10	13.4329	-3.9549	1.5515	2.8284	0.0272	-0.3547	0.5321	-0.8918	-0.2544			
161	54.59	0.10	13.6254	-4.0492	1.4355	3.1480	0.0413	-0.3458	0.5600	-0.9058	-0.2563			
162	54.77	0.09	13.7851	-4.2478	1.3061	2.9739	0.0425	-0.3761	0.5614	-0.9345	-0.3081			
163	54.91	0.10	13.8188	-4.2664	1.4428	2.9239	0.0426	-0.3530	0.5735	-0.9235	-0.3089			
164	55.08	0.10	14.1043	-4.4566	1.4455	3.0475	0.0431	-0.3517	0.5700	-0.9283	-0.3160			
165	55.22	0.11	13.9262	-4.1758	1.5516	2.5261	0.0502	-0.3731	0.5586	-0.9317	-0.2998			
166	55.39	0.10	13.8788	-4.2313	1.4126	3.0272	0.0426	-0.3483	0.5740	-0.9473	-0.3049			
167	55.55	0.10	13.9521	-4.3851	1.4102	2.5652	0.0575	-0.3858	0.5715	-0.9373	-0.3137			
168	55.70	0.09	14.0224	-4.3036	1.3573	2.8573	0.0438	-0.3710	0.5702	-0.9478	-0.3069			
169	55.85	0.08	13.9553	-4.1725	1.2757	2.7517	0.0444	-0.3736	0.5744	-0.9460	-0.2981			
170	56.01	0.10	13.6574	-3.9368	1.5476	2.6404	0.0442	-0.3857	0.5715	-0.9372	-0.2833			
171	56.17	0.08	13.9549	-4.0438	1.2403	2.6812	0.0449	-0.3818	0.5735	-0.9353	-0.2889			
172	56.32	0.09	14.0502	-4.2729	1.3244	2.6672	0.0304	-0.3548	0.5704	-0.9252	-0.3032			
173	56.48	0.07	14.1823	-4.2352	1.1778	2.7060	0.0454	-0.3733	0.5756	-0.9489	-0.2986			
174	56.64	0.09	14.1751	-4.2316	1.3293	2.6414	0.0454	-0.3745	0.5621	-0.9366	-0.2984			
175	56.80	0.09	14.2047	-4.0860	1.3071	2.5647	0.0460	-0.3703	0.5741	-0.9644	-0.2877			
176	56.95	0.09	14.1553	-4.0567	1.3164	2.4261	0.0404	-0.3967	0.5773	-0.9740	-0.2885			
177	57.06	0.08	14.1680	-4.0350	1.1426	2.6542	0.0457	-0.4261	0.5300	-0.9581	-0.2848			
178	57.23	0.08	14.3070	-4.2403	1.2769	2.2690	0.0474	-0.3883	0.5801	-0.9664	-0.2568			
179	57.38	0.08	14.2566	-4.0932	1.0533	2.4461	0.0473	-0.3854	0.5621	-0.9455	-0.2863			
180	57.51	0.08	14.1555	-4.0689	1.2206	2.4163	0.0406	-0.3883	0.5719	-0.9582	-0.2874			
181	57.67	0.08	14.2716	-3.9254	1.0151	2.5848	0.0514	-0.3768	0.5804	-0.9572	-0.2753			
182	57.81	0.04	14.2105	-4.0345	0.8843	2.4232	0.0447	-0.3400	0.5873	-0.9773	-0.2639			
183	57.89	0.06	14.0563	-3.9150	1.1262	2.0670	0.0552	-0.3645	0.5911	-0.9756	-0.2785			

PAGE 2 OF 3
 SHEET 1 OF 4

PARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: RXIC-2		PNT CONF		C		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		140 C.C.C 1.7		0.0 0.10CF14		C.C		0		-20		0		-20 UNKNOWN	
PLINT	ALPHA	BETA	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1
1	-5.74	-0.01	-0.0092	-0.0001	-0.0127	-0.0109	-0.0109	-0.0109	-0.0109	-0.0109	-0.0109	-0.0109	-0.0109	-0.0109	-0.0109
2	-5.75	-0.01	-0.00121	-0.0001	-0.0117	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003	-0.0003
3	-5.75	-0.01	-0.0093	-0.0002	-0.0134	-0.0215	-0.0215	-0.0215	-0.0215	-0.0215	-0.0215	-0.0215	-0.0215	-0.0215	-0.0215
4	-5.75	-0.01	-0.0000	-0.0003	-0.0145	-0.0075	-0.0075	-0.0075	-0.0075	-0.0075	-0.0075	-0.0075	-0.0075	-0.0075	-0.0075
5	-5.74	-0.01	-0.0075	-0.0000	-0.0142	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
6	-5.74	-0.01	-0.0075	-0.0001	-0.0148	-0.0127	-0.0127	-0.0127	-0.0127	-0.0127	-0.0127	-0.0127	-0.0127	-0.0127	-0.0127
7	-5.75	-0.01	-0.0095	-0.0004	-0.0147	-0.0021	-0.0021	-0.0021	-0.0021	-0.0021	-0.0021	-0.0021	-0.0021	-0.0021	-0.0021
8	-5.75	-0.01	-0.0000	-0.0002	-0.0145	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020
9	-5.75	-0.01	-0.0000	-0.0004	-0.0155	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
10	-5.23	-0.01	-0.0004	-0.0002	-0.0141	-0.0013	-0.0013	-0.0013	-0.0013	-0.0013	-0.0013	-0.0013	-0.0013	-0.0013	-0.0013
11	-3.37	-0.01	-0.0002	-0.0003	-0.0122	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020	-0.0020
12	-1.62	-0.01	-0.0001	-0.0004	-0.0105	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
13	3.21	-0.01	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
14	1.68	-0.01	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
15	5.75	-0.01	-0.0007	-0.0005	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
16	5.75	-0.01	-0.0000	-0.0001	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
17	7.35	-0.01	-0.0004	-0.0002	-0.0144	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012	-0.0012
18	9.15	-0.01	-0.0000	-0.0003	-0.0156	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
19	10.93	-0.01	-0.0000	-0.0004	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
20	12.70	-0.01	-0.0004	-0.0001	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
21	14.48	-0.01	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
22	16.26	-0.01	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
23	18.04	-0.02	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
24	19.82	-0.03	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
25	21.60	-0.05	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
26	23.38	-0.06	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
27	25.16	-0.08	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
28	26.94	-0.10	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
29	28.72	-0.12	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
30	30.50	-0.14	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
31	32.28	-0.16	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
32	34.06	-0.18	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
33	35.84	-0.20	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
34	37.62	-0.22	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
35	39.40	-0.24	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
36	41.18	-0.26	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
37	42.96	-0.28	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
38	44.74	-0.30	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
39	46.52	-0.32	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
40	48.30	-0.34	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
41	50.08	-0.36	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
42	51.86	-0.38	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
43	53.64	-0.40	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
44	55.42	-0.42	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
45	57.20	-0.44	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005
46	58.98	-0.46	-0.0005	-0.0002	-0.0155	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005	-0.0005

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST 7	PART 140 000 1.7	MACH 1.7	PR1 C.C. 810F14	CNF1 U.0	DEL1 0	DEL2 -20	DEL3 0	DEL4 -20	TRANSITION UNKNOWN				
FCINT	ALPHA	BETA	CNF1	CH1	CL1	XCPF1	YCPF1	CNF2	CH2	CL2	XCPF2	YCPF2	
47	32.78	0.04	0.0959	0.0145	0.0407	0.1512	0.4370	0.4720	0.0371	0.1526	0.0786	0.3233	
48	33.02	0.05	0.1024	0.0155	0.0505	0.1506	0.4447	0.4837	0.0372	0.1556	0.0769	0.3217	
49	33.28	0.05	0.0150	0.0158	0.0386	0.2128	0.5173	0.4767	0.0373	0.1538	0.0779	0.3213	
50	33.52	0.05	0.0747	0.0166	0.0464	0.2222	0.5475	0.4921	0.0379	0.1570	0.0770	0.3150	
51	33.77	0.05	0.0463	0.0165	0.0301	0.4247	0.6501	0.4863	0.0383	0.1554	0.0787	0.3156	
52	34.03	0.06	0.0444	0.0206	0.0275	0.4032	0.6125	0.4806	0.0383	0.1551	0.0782	0.3160	
53	34.27	0.06	0.0205	0.0210	0.0217	1.0040	1.0383	0.4860	0.0383	0.1544	0.0785	0.3174	
54	34.51	0.07	0.0132	0.0214	0.0203	1.6210	1.5379	0.4874	0.0386	0.1549	0.0791	0.3175	
55	34.75	0.07	0.0520	0.0205	0.0322	0.4016	0.6152	0.5054	0.0386	0.1622	0.0768	0.3205	
56	35.01	0.07	0.0432	0.0154	0.0293	0.4625	0.7289	0.5155	0.0391	0.1644	0.0758	0.3185	
57	35.23	0.06	0.1060	0.0227	0.0435	0.2151	0.4104	0.5507	0.0399	0.1742	0.0724	0.3163	
58	35.47	0.07	0.1330	0.0218	0.0535	0.1054	0.4023	0.5603	0.0403	0.1753	0.0719	0.3129	
59	35.73	0.07	0.0277	0.0186	0.0786	0.0505	0.3784	0.6006	0.0409	0.1886	0.0681	0.3144	
60	35.92	0.07	0.1704	0.0202	0.0663	0.1165	0.3691	0.5472	0.0417	0.1859	0.0658	0.3113	
61	36.16	0.07	0.1157	0.0216	0.0556	0.1867	0.4806	0.5967	0.0437	0.1860	0.0732	0.3151	
62	36.41	0.06	0.1235	0.0222	0.0552	0.1797	0.4470	0.6115	0.0436	0.1934	0.0736	0.3163	
63	36.64	0.06	0.0826	0.0205	0.0353	0.3336	0.5634	0.5966	0.0451	0.1868	0.0756	0.3132	
64	36.86	0.08	0.0681	0.0211	0.0414	0.2395	0.4699	0.6077	0.0450	0.1906	0.0738	0.3125	
65	37.11	0.06	0.0568	0.0206	0.0250	0.3537	0.4932	0.6061	0.0455	0.1865	0.0751	0.3110	
66	37.33	0.07	0.0202	0.0216	0.0117	1.0042	0.5042	0.5476	0.0457	0.1858	0.0765	0.3165	
67	37.56	0.08	0.0641	0.0203	0.0150	0.2537	0.2171	0.6007	0.0471	0.1862	0.0764	0.3160	
68	37.81	0.08	0.0515	0.0171	0.0193	0.1609	0.2109	0.5673	0.0467	0.1803	0.0765	0.3070	
69	38.06	0.09	0.1655	0.0128	0.0435	0.0773	0.2653	0.5658	0.0459	0.1795	0.0783	0.3064	
70	38.27	0.10	0.1641	0.0116	0.0414	0.0707	0.2523	0.5674	0.0465	0.1783	0.0798	0.3035	
71	38.49	0.09	0.1933	0.0044	0.0475	0.0228	0.2476	0.5926	0.0456	0.1827	0.0769	0.3083	
72	38.71	0.10	0.1576	0.0015	0.0417	0.0076	0.2414	0.5976	0.0462	0.1816	0.0773	0.3042	
73	38.93	0.11	0.1851	0.0018	0.0448	0.0095	0.2369	0.6121	0.0479	0.1868	0.0762	0.3052	
74	39.15	0.10	0.1578	0.0015	0.0497	0.0016	0.2313	0.6169	0.0476	0.1887	0.0769	0.3045	
75	39.34	0.11	0.1415	0.0042	0.0300	0.0297	0.2120	0.6307	0.0482	0.1918	0.0764	0.3041	
76	39.56	0.10	0.1385	0.0045	0.0246	0.0325	0.2137	0.6425	0.0467	0.1946	0.0756	0.3032	
77	39.77	0.10	0.0901	0.0167	0.0187	0.1853	0.2075	0.6449	0.0542	0.1921	0.0840	0.2975	
78	39.96	0.10	0.1062	0.0112	0.0165	0.1116	0.1866	0.6485	0.0530	0.1937	0.0817	0.2987	
79	40.18	0.10	0.1036	0.0170	0.0216	0.1636	0.2062	0.6532	0.0554	0.1922	0.0848	0.2942	
80	40.38	0.10	0.1124	0.0137	0.0223	0.1219	0.1984	0.6604	0.0552	0.1946	0.0836	0.2947	
81	40.57	0.09	0.1025	0.0165	0.0221	0.1594	0.2135	0.6602	0.0569	0.1920	0.0862	0.2908	
82	40.66	0.09	0.1060	0.0114	0.0237	0.1648	0.2176	0.6721	0.0565	0.1970	0.0841	0.2931	
83	41.00	0.10	0.1255	0.0102	0.0287	0.0768	0.2216	0.6859	0.0559	0.1935	0.0835	0.2906	
84	41.20	0.11	0.1185	0.0086	0.0231	0.0555	0.1943	0.6790	0.0576	0.1975	0.0851	0.2909	
85	41.34	0.11	0.1260	0.0047	0.0262	0.0373	0.2079	0.6786	0.0604	0.1943	0.0850	0.2863	
86	41.60	0.10	0.1152	0.0023	0.0225	0.0200	0.1988	0.6924	0.0565	0.2007	0.0845	0.2855	
87	41.63	0.11	0.1302	0.0026	0.0271	0.0200	0.2081	0.6992	0.0586	0.2012	0.0838	0.2878	
88	41.67	0.11	0.0981	0.0120	0.0210	0.1224	0.2143	0.6905	0.0625	0.1945	0.0805	0.2817	
89	42.17	0.11	0.0981	0.0094	0.0195	0.0001	0.1986	0.7213	0.0599	0.2003	0.0830	0.2860	
90	42.34	0.11	0.1151	0.0051	0.0264	0.0260	0.2217	0.7129	0.0614	0.2028	0.0861	0.2845	
91	42.55	0.11	0.1013	0.0010	0.0184	0.0099	0.1816	0.7197	0.0618	0.2027	0.0855	0.2816	
92	42.70	0.12	0.0953	0.0017	0.0176	0.0178	0.1647	0.7316	0.0607	0.2076	0.0830	0.2838	

PAGE 2 OF 3
 SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART		MACH		AXIC-E		PHI	LNLF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		140		0.00		1.7		0.0	DEL1	DEL2	DEL3	DEL4	UNKNOWN
PCINT	ALPHA	BETA	LNLF1	CHI1	COL1	XCFF1	YCFF1	LNLF2	CHI2	L2	XCFF2	YCFF2	
93	42.81	0.12	-0.0863	0.0020	-0.0155	-0.0232	0.1852	0.7385	0.0619	0.2075	0.0840	0.2817	
94	43.08	0.09	-0.0895	0.0032	-0.0160	-0.0357	0.1780	0.7390	0.0635	0.2052	0.0858	0.2774	
95	43.26	0.11	-0.1035	0.0034	-0.0226	-0.0327	0.2154	0.7516	0.0630	0.2099	0.0838	0.2792	
96	43.42	0.12	-0.0724	0.0034	-0.0123	-0.0400	0.1607	0.7506	0.0621	0.2111	0.0826	0.2783	
97	43.62	0.12	-0.0773	0.0036	-0.0140	-0.0466	0.1611	0.7653	0.0624	0.2130	0.0815	0.2783	
98	43.79	0.11	-0.0954	0.0028	-0.0200	-0.0295	0.2105	0.7569	0.0630	0.2090	0.0832	0.2761	
99	43.97	0.12	-0.0564	0.0050	-0.0085	-0.0856	0.1113	0.7536	0.0625	0.2104	0.0824	0.2774	
100	44.17	0.12	-0.0607	0.0060	-0.0145	-0.0743	0.1797	0.7755	0.0621	0.2158	0.0801	0.2783	
101	44.35	0.10	-0.0720	0.0081	-0.0118	-0.1125	0.1639	0.7730	0.0624	0.2151	0.0806	0.2780	
102	44.52	0.11	-0.0824	0.0060	-0.0155	-0.0775	0.1419	0.7721	0.0620	0.2123	0.0813	0.2750	
103	44.59	0.12	-0.0827	0.0075	-0.0165	-0.0890	0.1971	0.7822	0.0632	0.2131	0.0808	0.2724	
104	44.88	0.12	-0.0865	0.0081	-0.0164	-0.0932	0.1941	0.7924	0.0620	0.2179	0.0762	0.2750	
105	45.07	0.13	-0.0735	0.0091	-0.0131	-0.1238	0.1782	0.7963	0.0613	0.2162	0.0770	0.2716	
106	45.24	0.11	-0.0823	0.0091	-0.0167	-0.1100	0.2029	0.8020	0.0611	0.2180	0.0761	0.2715	
107	45.34	0.11	-0.0955	0.0085	-0.0202	-0.0886	0.2106	0.7992	0.0620	0.2155	0.0783	0.2656	
108	45.50	0.10	-0.0855	0.0067	-0.0062	-0.0062	0.0959	0.8026	0.0634	0.2125	0.0790	0.2648	
109	45.75	0.10	-0.0832	0.0015	-0.0150	-0.1362	0.1833	0.8130	0.0612	0.2175	0.0753	0.2675	
110	45.93	0.11	-0.0870	0.0050	-0.0151	-0.1115	0.1724	0.8011	0.0621	0.2112	0.0775	0.2636	
111	46.09	0.10	-0.0852	0.0055	-0.0146	-0.1110	0.1637	0.8061	0.0624	0.2123	0.0774	0.2634	
112	46.27	0.11	-0.0952	0.0012	-0.0165	-0.1071	0.1733	0.8083	0.0607	0.2152	0.0742	0.2630	
113	46.45	0.10	-0.0820	0.0011	-0.0115	-0.1232	0.1451	0.8045	0.0622	0.2104	0.0773	0.2615	
114	46.62	0.09	-0.1049	0.0013	-0.0147	-0.0124	0.1401	0.8062	0.0628	0.2074	0.0776	0.2576	
115	46.78	0.10	-0.1021	0.0018	-0.0138	-0.0166	0.1277	0.7981	0.0630	0.2031	0.0751	0.2551	
116	46.96	0.09	-0.1213	0.0017	-0.0156	-0.0140	0.1632	0.7941	0.0641	0.2043	0.0807	0.2573	
117	47.15	0.09	-0.1268	0.0029	-0.0208	-0.0225	0.1815	0.7993	0.0639	0.2034	0.0799	0.2543	
118	47.30	0.07	-0.2120	0.0078	-0.0478	-0.0368	0.2255	0.8095	0.0635	0.2079	0.0764	0.2568	
119	47.48	0.09	-0.1885	0.0056	-0.0352	-0.0297	0.2101	0.8195	0.0639	0.2114	0.0780	0.2580	
120	47.65	0.06	-0.2076	0.0073	-0.0400	-0.0352	0.2245	0.8100	0.0644	0.2112	0.0769	0.2586	
121	47.82	0.06	-0.1855	0.0064	-0.0381	-0.0345	0.2054	0.8160	0.0645	0.2105	0.0790	0.2580	
122	47.97	0.03	-0.2625	0.0057	-0.0600	-0.0370	0.2547	0.8301	0.0651	0.2109	0.0779	0.2611	
123	48.14	0.04	-0.2735	0.0082	-0.0645	-0.0605	0.2350	0.8398	0.0638	0.2199	0.0760	0.2618	
124	48.24	0.02	-0.3155	0.0013	-0.0613	-0.0434	0.2698	0.8602	0.0627	0.2262	0.0725	0.2653	
125	48.40	0.00	-0.3335	0.0054	-0.0654	-0.0441	0.2622	0.8531	0.0643	0.2264	0.0754	0.2654	
126	48.60	0.01	-0.3062	0.0075	-0.0805	-0.0298	0.2792	0.8552	0.0641	0.2201	0.0751	0.2656	
127	48.75	0.02	-0.2505	0.0058	-0.0645	-0.0234	0.2919	0.8615	0.0650	0.2296	0.0754	0.2685	
128	48.98	0.01	-0.3333	0.0080	-0.0803	-0.0204	0.2749	0.8432	0.0637	0.2236	0.0755	0.2652	
129	49.10	0.02	-0.3257	0.0032	-0.0925	-0.0405	0.2840	0.8704	0.0627	0.2325	0.0720	0.2671	
130	49.34	0.00	-0.3015	0.0015	-0.0655	-0.0414	0.2895	0.8607	0.0630	0.2233	0.0753	0.2637	
131	49.48	0.01	-0.3367	0.0013	-0.0660	-0.0454	0.2851	0.8721	0.0632	0.2318	0.0725	0.2658	
132	49.60	0.01	-0.3265	0.0023	-0.0671	-0.0651	0.2651	0.8509	0.0630	0.2213	0.0733	0.2577	
133	49.65	0.00	-0.3032	0.0027	-0.0651	-0.0897	0.2609	0.8965	0.0557	0.2382	0.0866	0.2657	
134	50.01	0.02	-0.2767	0.0060	-0.0680	-0.0400	0.2542	0.8796	0.0600	0.2363	0.0674	0.2656	
135	50.20	0.02	-0.3186	0.0032	-0.0755	-0.1011	0.2508	0.8715	0.0715	0.1874	0.0927	0.2629	
136	50.34	0.01	-0.2626	0.0040	-0.0793	-0.0813	0.2621	0.8059	0.0681	0.2007	0.0845	0.2490	
137	50.53	0.03	-0.2564	0.0054	-0.0846	-0.0591	0.2515	0.7783	0.0711	0.1920	0.0913	0.2467	
138	50.70	0.03	-0.2625	0.0062	-0.0856	-0.0590	0.2495	0.7900	0.0714	0.1946	0.0904	0.2463	

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME		PHI	CNFI	CHI	COI	ACFF1	YCPF1	CNF2	CF2	CH2	XCPF2	YCPF2
7 140 G.00 1.7		G.00	G.00	G.00	G.00	G.00	G.00	G.00	G.00	G.00	G.00	G.00
PCINT	ALPHA	delta	CNFI	CHI	COI	ACFF1	YCPF1	CNF2	CF2	CH2	XCPF2	YCPF2
139	50.80	0.03	-0.2350	-0.0238	-0.0594	0.0953	0.2479	0.7950	0.0708	0.1952	0.0890	0.2455
140	51.00	0.05	-0.2241	-0.0229	-0.0510	0.1004	0.2303	0.8102	0.0709	0.2001	0.0875	0.2470
141	51.21	0.06	-0.2162	-0.0270	-0.0430	0.1014	0.2389	0.8357	0.0700	0.2098	0.0838	0.2510
142	51.31	0.06	-0.2109	-0.0310	-0.0460	0.1103	0.2350	0.8558	0.0698	0.2178	0.0835	0.2486
143	51.55	0.05	-0.2029	-0.0264	-0.0475	0.1053	0.2400	0.8558	0.0700	0.2371	0.0837	0.2478
144	51.71	0.06	-0.1917	-0.0323	-0.0601	0.1107	0.2200	0.8529	0.0693	0.2126	0.0812	0.2493
145	51.89	0.08	-0.1851	-0.0354	-0.0652	0.1159	0.2209	0.8583	0.0692	0.2106	0.0806	0.2454
146	52.04	0.08	-0.1825	-0.0364	-0.0715	0.1163	0.2298	0.8645	0.0698	0.2139	0.0807	0.2473
147	52.21	0.05	-0.1810	-0.0352	-0.0728	0.1111	0.2299	0.8892	0.0681	0.2208	0.0766	0.2483
148	52.38	0.05	-0.1825	-0.0347	-0.0662	0.1067	0.2405	0.9085	0.0654	0.2285	0.0720	0.2456
149	52.50	0.10	-0.1875	-0.0325	-0.0735	0.1057	0.2403	0.9109	0.0621	0.2262	0.0662	0.2483
150	52.72	0.10	-0.1815	-0.0340	-0.0735	0.1095	0.2380	0.9286	0.0592	0.2321	0.0635	0.2504
151	52.85	0.11	-0.1875	-0.0333	-0.0354	0.1178	0.1850	0.9226	0.0485	0.2303	0.0508	0.2456
152	53.07	0.12	-0.1850	-0.0351	-0.0482	0.1490	0.2046	0.9367	0.0451	0.2341	0.0481	0.2455
153	53.24	0.11	-0.1817	-0.0375	-0.0551	0.1490	0.2189	0.9552	0.0473	0.2371	0.0495	0.2482
154	53.30	0.10	-0.1851	-0.0331	-0.0504	0.1393	0.2073	0.9232	0.0355	0.2254	0.0365	0.2485
155	53.54	0.10	-0.1807	-0.0282	-0.0511	0.1465	0.2181	0.9086	0.0294	0.2212	0.0331	0.2465
156	53.71	0.11	-0.1800	-0.0257	-0.0442	0.1506	0.2001	0.8929	0.0342	0.2186	0.0383	0.2448
157	53.87	0.12	-0.1851	-0.0251	-0.0444	0.1545	0.2029	0.9212	0.0291	0.2200	0.0316	0.2475
158	54.12	0.10	-0.1818	-0.0272	-0.0449	0.1520	0.2046	0.8935	0.0295	0.2176	0.0330	0.2434
159	54.26	0.10	-0.1818	-0.0285	-0.0434	0.1619	0.2072	0.8601	0.0300	0.2104	0.0348	0.2391
160	54.42	0.10	-0.1851	-0.0181	-0.0457	0.1690	0.1753	0.8603	0.0282	0.2108	0.0320	0.2385
161	54.59	0.10	-0.1815	-0.0181	-0.0422	0.1673	0.1524	0.8554	0.0280	0.2043	0.0304	0.2388
162	54.77	0.05	-0.1814	-0.0137	-0.0476	0.1513	0.1222	0.8626	0.0209	0.2121	0.0305	0.2403
163	54.91	0.10	-0.1836	-0.0151	-0.0224	0.1571	0.1697	0.8532	0.0249	0.2189	0.0275	0.2428
164	55.08	0.10	-0.1817	-0.0140	-0.0214	0.1531	0.1450	0.8905	0.0250	0.2156	0.0288	0.2408
165	55.22	0.11	-0.1812	-0.0125	-0.0218	0.1553	0.1788	0.8727	0.0252	0.2077	0.0285	0.2380
166	55.33	0.10	-0.1814	-0.0181	-0.0221	0.1607	0.1450	0.8898	0.0245	0.2133	0.0275	0.2397
167	55.55	0.10	-0.1818	-0.0135	-0.0225	0.1743	0.1431	0.9061	0.0280	0.2184	0.0253	0.2405
168	55.70	0.05	-0.1814	-0.0122	-0.0232	0.1549	0.1500	0.9133	0.0285	0.2182	0.0250	0.2385
169	55.85	0.08	-0.1811	-0.0082	-0.0203	0.1592	0.1307	0.9163	0.0286	0.2173	0.0312	0.2371
170	56.01	0.10	-0.1815	-0.0074	-0.0271	0.1600	0.1067	0.8927	0.0276	0.2104	0.0305	0.2357
171	56.17	0.08	-0.1811	-0.0054	-0.0210	0.1756	0.1334	0.9011	0.0260	0.2152	0.0311	0.2388
172	56.32	0.05	-0.1817	-0.0009	-0.0210	0.1605	0.1050	0.9080	0.0289	0.2155	0.0256	0.2373
173	56.48	0.07	-0.1818	-0.0044	-0.0268	0.1722	0.1353	0.9350	0.0279	0.2225	0.0298	0.2380
174	56.64	0.05	-0.1814	-0.0030	-0.0230	0.1104	0.1029	0.9077	0.0267	0.2155	0.0316	0.2352
175	56.80	0.05	-0.1820	-0.0036	-0.0262	0.1461	0.1077	0.9229	0.0293	0.2180	0.0317	0.2340
176	56.95	0.05	-0.1825	-0.0061	-0.0264	0.1355	0.1065	0.9299	0.0277	0.2198	0.0298	0.2364
177	57.08	0.06	-0.1817	-0.0066	-0.0254	0.1671	0.1574	0.9134	0.0253	0.2175	0.0277	0.2381
178	57.23	0.08	-0.1814	-0.0013	-0.0229	0.1602	0.1520	0.9152	0.0255	0.2143	0.0275	0.2342
179	57.36	0.08	-0.1814	-0.0006	-0.0233	0.1650	0.1564	0.9218	0.0250	0.2173	0.0271	0.2357
180	57.51	0.08	-0.1817	-0.0013	-0.0208	0.1630	0.1603	0.9222	0.0224	0.2205	0.0243	0.2391
181	57.67	0.08	-0.1817	-0.0000	-0.0245	0.1626	0.1512	0.8985	0.0205	0.2177	0.0232	0.2355
182	57.81	0.04	-0.1814	-0.0011	-0.0250	0.1624	0.1450	0.9093	0.0155	0.2158	0.0214	0.2373
183	57.83	0.06	-0.1818	-0.0035	-0.0209	0.1676	0.1593	0.9054	0.0228	0.2123	0.0252	0.2345

PAGE 3 OF 3
SHEET 1 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH KALC-6		PHI CNF		L		CELL		CELL		CELL		CELL		TRANSITION	
1 140 0.00 1.7		0.0 0.00014		0.0		0		-20		0		-20		UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4			
1	-5.74	0.01	-0.0163	5.5555	0.0166	5.5555	-1.0307	-1.0306	-0.0048	-0.2852	0.0047	0.2767			
2	-5.75	0.01	-0.0117	5.5555	0.0172	5.5555	-1.0214	-1.0217	-0.0041	-0.2848	0.0040	0.2771			
3	-5.75	0.01	-0.0116	5.5555	0.0164	5.5555	-1.0393	-1.0348	-0.0046	-0.2858	0.0046	0.2762			
4	-5.75	0.01	-0.0133	5.5555	0.0163	5.5555	-1.0375	-1.0374	-0.0047	-0.2867	0.0045	0.2762			
5	-5.74	0.01	-0.0102	5.5555	0.0166	5.5555	-1.0235	-1.0377	-0.0051	-0.2868	0.0045	0.2764			
6	-5.74	0.01	-0.0116	5.5555	0.0150	5.5555	-1.0102	-1.0345	-0.0047	-0.2865	0.0045	0.2765			
7	-5.75	0.01	-0.0123	5.5555	0.0183	5.5555	-1.0375	-1.0376	-0.0049	-0.2855	0.0047	0.2751			
8	-5.74	0.01	-0.0102	5.5555	0.0166	5.5555	-1.0235	-1.0349	-0.0041	-0.2859	0.0040	0.2771			
9	-5.89	0.01	-0.0102	5.5555	0.0166	5.5555	-1.0235	-1.0265	-0.0043	-0.2836	0.0042	0.2763			
10	-5.23	0.01	-0.0123	5.5555	0.0163	5.5555	-1.0375	-0.9744	-0.0031	-0.2724	0.0001	0.2756			
11	-5.37	0.01	-0.0165	5.5555	0.0161	5.5555	-1.0370	-0.8711	0.0029	-0.2468	-0.0033	0.2833			
12	-1.62	0.01	-0.0116	5.5555	0.0163	5.5555	-1.0676	-0.7614	0.0040	-0.2276	-0.0053	0.2989			
13	0.21	0.01	-0.0133	5.5555	0.0163	5.5555	-1.0375	-0.6623	0.0071	-0.2097	-0.0107	0.3166			
14	1.48	0.01	-0.0133	5.5555	0.0177	5.5555	-1.0306	-0.5614	0.0103	-0.1938	-0.0177	0.3333			
15	3.75	0.01	-0.0103	5.5555	0.0198	5.5555	-1.0223	-0.4612	0.0117	-0.1640	-0.0243	0.3408			
16	5.54	0.01	-0.0071	5.5555	0.0166	5.5555	-2.0674	-0.3968	0.0123	-0.1352	-0.0310	0.3467			
17	7.36	0.01	-0.0055	5.5555	0.0177	5.5555	-3.2182	-0.3047	0.0126	-0.1007	-0.0413	0.3305			
18	9.15	0.01	-0.0065	5.5555	0.0140	5.5555	-2.0290	-0.2128	0.0116	-0.0768	-0.0554	0.3609			
19	10.93	0.01	-0.0011	5.5555	0.0104	5.5555	-0.4545	-0.1284	0.0039	-0.0442	-0.0771	0.3442			
20	12.71	0.02	-0.0050	5.5555	0.0063	5.5555	1.4310	-0.0776	0.0092	-0.0182	-0.1185	0.2345			
21	14.48	0.01	-0.0161	5.5555	0.0123	5.5555	0.6798	-0.0211	0.0100	0.0015	-0.4735	-0.6711			
22	16.24	0.01	-0.0152	5.5555	0.0176	5.5555	0.5197	0.0277	0.0118	0.0202	0.4259	0.7292			
23	18.10	0.02	0.0167	5.5555	0.0080	5.5555	0.4790	0.1074	0.0118	0.0517	0.1099	0.4814			
24	19.98	0.03	0.0061	5.5555	0.0025	5.5555	0.4754	0.1757	0.0131	0.0784	0.0745	0.4491			
25	21.86	0.05	-0.0015	5.5555	0.0013	5.5555	0.8657	0.2616	0.0146	0.1107	0.0556	0.4228			
26	23.63	0.06	-0.0017	5.5555	-0.0016	5.5555	0.2330	0.3519	0.0147	0.1418	0.0418	0.4030			
27	25.42	0.03	-0.0001	5.5555	0.0012	5.5555	-12.0000	0.3479	0.0159	0.1355	0.0572	0.4610			
28	27.20	0.00	0.0024	5.5555	0.0097	5.5555	0.4236	0.3335	0.0252	0.1326	0.0756	0.3976			
29	27.61	0.01	0.0251	5.5555	0.0120	5.5555	0.4124	0.3213	0.0254	0.1318	0.0790	0.4102			
30	28.07	0.01	0.0241	5.5555	0.0100	5.5555	0.3831	0.3317	0.0263	0.1349	0.0753	0.4067			
31	28.36	0.00	0.0214	5.5555	0.0102	5.5555	0.4766	0.3376	0.0265	0.1433	0.0741	0.4007			
32	28.70	0.00	0.0156	5.5555	0.0107	5.5555	0.5404	0.3033	0.0267	0.1524	0.0653	0.3955			
33	29.00	0.02	0.0275	5.5555	0.0131	5.5555	0.4764	0.3777	0.0276	0.1495	0.0731	0.3958			
34	29.20	0.01	0.0275	5.5555	0.0136	5.5555	0.5010	0.4202	0.0276	0.1638	0.0657	0.3858			
35	29.55	0.01	0.0155	5.5555	0.0107	5.5555	0.5377	0.4132	0.0277	0.1620	0.0670	0.3921			
36	29.85	0.03	0.0276	5.5555	0.0131	5.5555	0.4740	0.4300	0.0285	0.1654	0.0663	0.3847			
37	30.11	0.03	0.0276	5.5555	0.0115	5.5555	0.4312	0.4300	0.0285	0.1667	0.0663	0.3877			
38	30.37	0.02	0.0252	5.5555	0.0127	5.5555	0.4344	0.4434	0.0291	0.1691	0.0656	0.3814			
39	30.65	0.02	0.0201	5.5555	0.0065	5.5555	0.3234	0.4742	0.0289	0.1793	0.0605	0.3781			
40	30.92	0.03	0.0222	5.5555	0.0100	5.5555	0.4046	0.4924	0.0295	0.1847	0.0598	0.3747			
41	31.20	0.03	0.0293	5.5555	0.0105	5.5555	0.3720	0.5076	0.0285	0.1901	0.0561	0.3745			
42	31.46	0.03	0.0262	5.5555	0.0106	5.5555	0.4040	0.5239	0.0300	0.1929	0.0573	0.3682			
43	31.74	0.04	0.0185	5.5555	0.0068	5.5555	0.4024	0.5277	0.0298	0.1991	0.0581	0.3697			
44	32.00	0.03	0.0323	5.5555	0.0135	5.5555	0.4180	0.5265	0.0311	0.1934	0.0591	0.3673			
45	32.25	0.03	0.0323	5.5555	0.0125	5.5555	0.3994	0.5118	0.0320	0.1867	0.0625	0.3648			
46	32.52	0.03	0.0292	5.5555	0.0127	5.5555	0.4344	0.5377	0.0311	0.1972	0.0578	0.3667			

PAGE 3 OF 3
 SHEET 2 OF 4

PARIAH MISSILE TAILS EFFECTS DATA

TEST PART	WACH	KALC-2	PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	140	C-20	1.7	0.0	0.00014	C-6	0	-20	0	-20	UNKNOWN	
FLINT	ALPHA	BETA	CNF2	CM3	CM3	ACFF3	YCPF3	CMF4	CM4	CM4	ACPF4	YCPF4
47	32.76	0.04	0.0322	5.5555	0.0153	5.5555	0.4752	0.5105	0.0324	0.1864	0.0835	0.3651
48	33.02	0.05	0.0323	5.5555	0.0155	5.5555	0.4800	0.5114	0.0325	0.1876	0.0828	0.3626
49	33.28	0.05	0.0324	5.5555	0.0152	5.5555	0.3956	0.5396	0.0328	0.1925	0.0808	0.3566
50	33.52	0.05	0.0216	5.5555	0.0132	5.5555	0.4703	0.5415	0.0328	0.1920	0.0806	0.3546
51	33.77	0.05	0.0354	5.5555	0.0156	5.5555	0.4407	0.5501	0.0337	0.2054	0.0805	0.3513
52	34.03	0.06	0.0252	5.5555	0.0133	5.5555	0.4555	0.5507	0.0329	0.2099	0.0851	0.3516
53	34.27	0.06	0.0252	5.5555	0.0133	5.5555	0.4555	0.5507	0.0322	0.2212	0.0852	0.3515
54	34.51	0.07	0.0252	5.5555	0.0151	5.5555	0.5109	0.6701	0.0317	0.2381	0.0869	0.3522
55	34.75	0.07	0.0253	5.5555	0.0162	5.5555	0.4589	0.6656	0.0326	0.2315	0.0851	0.3455
56	35.01	0.07	0.0245	5.5555	0.0129	5.5555	0.5265	0.6976	0.0315	0.2451	0.0851	0.3513
57	35.25	0.08	0.0352	5.5555	0.0160	5.5555	0.5114	0.6362	0.0339	0.2213	0.0851	0.3468
58	35.47	0.07	0.0414	5.5555	0.0210	5.5555	0.5072	0.6207	0.0345	0.2175	0.0844	0.3466
59	35.70	0.07	0.0451	5.5555	0.0246	5.5555	0.5010	0.5601	0.0360	0.1950	0.0834	0.3432
60	35.92	0.07	0.0470	5.5555	0.0233	5.5555	0.4355	0.6032	0.0357	0.2075	0.0842	0.3447
61	36.16	0.07	0.0413	5.5555	0.0222	5.5555	0.5375	0.6772	0.0345	0.2332	0.0815	0.3444
62	36.41	0.08	0.0381	5.5555	0.0200	5.5555	0.5450	0.6800	0.0349	0.2334	0.0813	0.3429
63	36.64	0.08	0.0444	5.5555	0.0243	5.5555	0.5473	0.7200	0.0349	0.2503	0.0881	0.3448
64	36.86	0.08	0.0445	5.5555	0.0225	5.5555	0.5338	0.6940	0.0357	0.2378	0.0814	0.3427
65	37.11	0.08	0.0382	5.5555	0.0200	5.5555	0.5435	0.7165	0.0356	0.2437	0.0847	0.3401
66	37.33	0.07	0.0255	5.5555	0.0173	5.5555	0.6000	0.7770	0.0355	0.2644	0.0846	0.3355
67	37.56	0.08	0.0255	5.5555	0.0167	5.5555	0.6946	0.8311	0.0360	0.2822	0.0840	0.3355
68	37.81	0.08	0.0321	5.5555	0.0203	5.5555	0.6324	0.8414	0.0342	0.2622	0.0866	0.3354
69	38.04	0.09	0.0275	5.5555	0.0175	5.5555	0.6364	0.7990	0.0415	0.2524	0.0815	0.3155
70	38.27	0.10	0.0240	5.5555	0.0100	5.5555	0.6483	0.7421	0.0381	0.2306	0.0813	0.3107
71	38.49	0.09	0.0245	5.5555	0.0200	5.5555	0.6920	0.6692	0.0328	0.2071	0.0840	0.3055
72	38.71	0.10	0.0245	5.5555	0.0200	5.5555	0.6920	0.6601	0.0322	0.2061	0.0843	0.3094
73	38.93	0.11	0.0330	5.5555	0.0223	5.5555	0.6037	0.6578	0.0313	0.2056	0.0876	0.3126
74	39.15	0.10	0.0307	5.5555	0.0211	5.5555	0.6261	0.6612	0.0314	0.2078	0.0875	0.3143
75	39.34	0.11	0.0478	5.5555	0.0265	5.5555	0.5567	0.6431	0.0322	0.2026	0.0801	0.3153
76	39.56	0.10	0.0350	5.5555	0.0240	5.5555	0.6181	0.6331	0.0316	0.2006	0.0845	0.3165
77	39.77	0.10	0.0444	5.5555	0.0274	5.5555	0.6171	0.7623	0.0392	0.2443	0.0814	0.3205
78	39.98	0.10	0.0444	5.5555	0.0274	5.5555	0.6171	0.6941	0.0343	0.2226	0.0844	0.3207
79	40.18	0.10	0.0383	5.5555	0.0233	5.5555	0.6064	0.7874	0.0408	0.2518	0.0818	0.3158
80	40.36	0.10	0.0300	5.5555	0.0220	5.5555	0.5901	0.7671	0.0400	0.2439	0.0821	0.3180
81	40.57	0.09	0.0413	5.5555	0.0241	5.5555	0.5835	0.7676	0.0407	0.2508	0.0817	0.3184
82	40.80	0.09	0.0444	5.5555	0.0245	5.5555	0.5806	0.7071	0.0302	0.2430	0.0812	0.3154
83	41.00	0.10	0.0475	5.5555	0.0257	5.5555	0.5411	0.6572	0.0356	0.2187	0.0813	0.3137
84	41.20	0.11	0.0444	5.5555	0.0245	5.5555	0.5806	0.6344	0.0313	0.2027	0.0843	0.3195
85	41.39	0.11	0.0383	5.5555	0.0241	5.5555	0.5243	0.6410	0.0317	0.2040	0.0844	0.3192
86	41.60	0.10	0.0444	5.5555	0.0245	5.5555	0.5806	0.6031	0.0309	0.1946	0.0811	0.3216
87	41.83	0.11	0.0451	5.5555	0.0253	5.5555	0.5153	0.6175	0.0306	0.1987	0.0845	0.3218
88	41.97	0.10	0.0503	5.5555	0.0260	5.5555	0.5267	0.7501	0.0424	0.2341	0.0865	0.3121
89	42.17	0.11	0.0503	5.5555	0.0307	5.5555	0.5434	0.5889	0.0345	0.1865	0.0886	0.3174
90	42.34	0.11	0.0534	5.5555	0.0260	5.5555	0.5243	0.6513	0.0355	0.2037	0.0845	0.3128
91	42.55	0.11	0.0626	5.5555	0.0323	5.5555	0.5160	0.5904	0.0333	0.1878	0.0864	0.3181
92	42.70	0.12	0.0672	5.5555	0.0334	5.5555	0.5045	0.5609	0.0334	0.1862	0.0865	0.3173

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH NO		PHI		CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION
7		140 0.00 1.7		0.0		0.0		0.0		0	-20	0	-20	UNKNOWN
PLANT	ALPHA	BETA	LN13	CH3	LOS	ACPF3	YCPF3	CAF4	CF4	CB4	XCPF4	YCPF4		
93	42.69	0.12	0.0068	0.0000	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
94	43.00	0.09	0.0068	0.0000	0.0295	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
95	43.20	0.11	0.0068	0.0000	0.0282	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
96	43.42	0.12	0.0068	0.0000	0.0347	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
97	43.62	0.12	0.0068	0.0000	0.0334	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
98	43.79	0.11	0.0068	0.0000	0.0325	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
99	43.97	0.12	0.0068	0.0000	0.0357	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100	44.17	0.12	0.0068	0.0000	0.0347	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101	44.35	0.10	0.0068	0.0000	0.0313	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102	44.52	0.11	0.0068	0.0000	0.0295	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103	44.69	0.12	0.0070	0.0000	0.0323	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104	44.88	0.12	0.0068	0.0000	0.0285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105	45.07	0.13	0.0075	0.0000	0.0355	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106	45.24	0.11	0.0076	0.0000	0.0330	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107	45.39	0.11	0.0075	0.0000	0.0332	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108	45.58	0.10	0.0068	0.0000	0.0281	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109	45.75	0.10	0.0068	0.0000	0.0324	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110	45.93	0.11	0.0075	0.0000	0.0322	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111	46.09	0.10	0.0075	0.0000	0.0322	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112	46.27	0.11	0.0075	0.0000	0.0322	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113	46.45	0.10	0.0068	0.0000	0.0313	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114	46.62	0.09	0.0068	0.0000	0.0282	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115	46.79	0.10	0.0068	0.0000	0.0295	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116	46.96	0.09	0.0068	0.0000	0.0285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117	47.15	0.09	0.0068	0.0000	0.0291	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118	47.30	0.07	0.0068	0.0000	0.0214	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119	47.48	0.09	0.0068	0.0000	0.0235	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120	47.63	0.08	0.0068	0.0000	0.0206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121	47.82	0.08	0.0068	0.0000	0.0195	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122	47.97	0.09	0.0068	0.0000	0.0189	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123	48.14	0.04	0.0068	0.0000	0.0145	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124	48.29	0.02	0.0068	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125	48.46	0.00	0.0068	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126	48.63	0.01	0.0068	0.0000	0.0113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127	48.79	0.02	0.0068	0.0000	0.0072	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128	48.96	0.01	0.0068	0.0000	0.0065	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129	49.10	0.02	0.0068	0.0000	0.0090	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130	49.34	0.00	0.0068	0.0000	0.0090	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131	49.48	0.01	0.0068	0.0000	0.0067	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132	49.68	0.01	0.0068	0.0000	0.0085	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133	49.85	0.00	0.0068	0.0000	0.0078	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134	50.01	0.00	0.0068	0.0000	0.0065	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135	50.20	0.02	0.0068	0.0000	0.0091	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136	50.34	0.00	0.0068	0.0000	0.0097	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137	50.53	0.03	0.0068	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138	50.70	0.03	0.0068	0.0000	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PAGE 3 OF 3
SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART		WIND TUNNEL		PLANT	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION			
1		140 GEC 1.7		J.C. B100F14	G.C.	0	-20	0	-20	UNKNOWN			
PLANT	ALPHA	BETA	CNF3	CN3	CB3	XCPF3	YCPF3	CNF4	CF4	CB4	XCPF4	YCPF4	
139	50.88	0.03	0.0423	0.9999	0.0118	0.9999	0.2443	0.7621	0.0557	0.2291	0.0468	0.3006	
140	51.03	0.03	0.0424	0.9999	0.0100	0.9999	0.2466	0.7712	0.0551	0.2319	0.0455	0.3007	
141	51.21	0.06	0.0410	0.9999	0.0151	0.9999	0.2311	0.7384	0.0330	0.2382	0.0419	0.3021	
142	51.37	0.02	0.0533	0.9999	0.0104	0.9999	0.1951	0.8011	0.0354	0.2366	0.0452	0.2978	
143	51.55	0.05	0.0517	0.9999	0.0105	0.9999	0.2108	0.8145	0.0355	0.2435	0.0436	0.2994	
144	51.71	0.00	0.0545	0.9999	0.0133	0.9999	0.2235	0.8231	0.0404	0.2494	0.0451	0.2969	
145	51.89	0.02	0.0521	0.9999	0.0120	0.9999	0.2365	0.8063	0.0417	0.2353	0.0517	0.2568	
146	52.04	0.00	0.0544	0.9999	0.0111	0.9999	0.2022	0.8213	0.0451	0.2418	0.0549	0.2544	
147	52.21	0.05	0.0525	0.9999	0.0130	0.9999	0.2007	0.8335	0.0475	0.2442	0.0570	0.2530	
148	52.30	0.05	0.0557	0.9999	0.0134	0.9999	0.2245	0.8363	0.0554	0.2424	0.0662	0.2898	
149	52.50	0.10	0.0512	0.9999	0.0141	0.9999	0.2304	0.8453	0.0557	0.2434	0.0706	0.2879	
150	52.72	0.10	0.0557	0.9999	0.0128	0.9999	0.2144	0.8253	0.0582	0.2383	0.0705	0.2887	
151	52.89	0.14	0.0514	0.9999	0.0125	0.9999	0.2101	0.7472	0.0563	0.2187	0.0753	0.2527	
152	53.07	0.12	0.0508	0.9999	0.0101	0.9999	0.2274	0.8008	0.0589	0.2330	0.0728	0.2881	
153	53.24	0.11	0.0545	0.9999	0.0144	0.9999	0.2233	0.8070	0.0611	0.2254	0.0757	0.2843	
154	53.30	0.10	0.0508	0.9999	0.0155	0.9999	0.2189	0.7990	0.0531	0.2073	0.0745	0.2924	
155	53.54	0.10	0.0507	0.9999	0.0174	0.9999	0.2401	0.7245	0.0565	0.2058	0.0780	0.2858	
156	53.71	0.11	0.0507	0.9999	0.0174	0.9999	0.2401	0.7175	0.0536	0.2087	0.0747	0.2909	
157	53.88	0.12	0.0507	0.9999	0.0169	0.9999	0.2216	0.7287	0.0574	0.2104	0.0788	0.2887	
158	54.12	0.10	0.0530	0.9999	0.0124	0.9999	0.1988	0.7551	0.0551	0.2184	0.0730	0.2866	
159	54.26	0.10	0.0540	0.9999	0.0132	0.9999	0.2045	0.7472	0.0538	0.2155	0.0720	0.2884	
160	54.42	0.10	0.0530	0.9999	0.0170	0.9999	0.2580	0.7573	0.0549	0.2188	0.0725	0.2889	
161	54.59	0.13	0.0525	0.9999	0.0130	0.9999	0.2067	0.7714	0.0549	0.2231	0.0712	0.2892	
162	54.77	0.05	0.0560	0.9999	0.0151	0.9999	0.2288	0.7743	0.0511	0.2257	0.0660	0.2915	
163	54.91	0.10	0.0557	0.9999	0.0128	0.9999	0.2144	0.8065	0.0546	0.2323	0.0678	0.2873	
164	55.08	0.10	0.0570	0.9999	0.0152	0.9999	0.2341	0.8071	0.0517	0.2349	0.0639	0.2903	
165	55.22	0.11	0.0544	0.9999	0.0144	0.9999	0.2236	0.7857	0.0467	0.2313	0.0555	0.2948	
166	55.39	0.10	0.0541	0.9999	0.0128	0.9999	0.2055	0.8039	0.0541	0.2318	0.0673	0.2883	
167	55.55	0.10	0.0527	0.9999	0.0125	0.9999	0.1982	0.8077	0.0513	0.2334	0.0635	0.2890	
168	55.70	0.05	0.0520	0.9999	0.0114	0.9999	0.1986	0.7988	0.0498	0.2303	0.0625	0.2851	
169	55.85	0.06	0.0574	0.9999	0.0127	0.9999	0.1884	0.8092	0.0454	0.2344	0.0610	0.2857	
170	56.01	0.10	0.0735	0.9999	0.0163	0.9999	0.2210	0.8000	0.0434	0.2347	0.0567	0.2934	
171	56.17	0.00	0.0674	0.9999	0.0115	0.9999	0.1708	0.7933	0.0473	0.2314	0.0556	0.2917	
172	56.32	0.05	0.0672	0.9999	0.0127	0.9999	0.1890	0.8008	0.0466	0.2321	0.0582	0.2858	
173	56.48	0.07	0.0703	0.9999	0.0154	0.9999	0.2191	0.8148	0.0444	0.2385	0.0545	0.2927	
174	56.64	0.05	0.0642	0.9999	0.0108	0.9999	0.1851	0.8103	0.0435	0.2388	0.0537	0.2945	
175	56.80	0.05	0.0640	0.9999	0.0130	0.9999	0.2031	0.8116	0.0441	0.2372	0.0543	0.2923	
176	56.95	0.05	0.0554	0.9999	0.0084	0.9999	0.1414	0.7947	0.0434	0.2326	0.0546	0.2927	
177	57.08	0.00	0.0625	0.9999	0.0095	0.9999	0.1584	0.8204	0.0418	0.2359	0.0509	0.2924	
178	57.23	0.00	0.0553	0.9999	0.0102	0.9999	0.1821	0.8144	0.0408	0.2403	0.0458	0.2933	
179	57.38	0.06	0.0577	0.9999	0.0084	0.9999	0.1542	0.8165	0.0400	0.2395	0.0450	0.2933	
180	57.51	0.00	0.0578	0.9999	0.0070	0.9999	0.1211	0.8167	0.0398	0.2401	0.0487	0.2940	
181	57.67	0.00	0.0515	0.9999	0.0064	0.9999	0.1631	0.8134	0.0402	0.2389	0.0452	0.2926	
182	57.81	0.04	0.0547	0.9999	0.0074	0.9999	0.1353	0.8243	0.0393	0.2435	0.0474	0.2936	
183	57.89	0.00	0.0540	0.9999	0.0054	0.9999	0.1465	0.8140	0.0342	0.2432	0.0420	0.2988	

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10	NO. 11	NO. 12
7	141	0.90	1.7									
POINT	ALPHA	BETA	CH	CLM	CLY	CLX	CLL	CA	CAB	CAF	XCP	
1	-5.77	-0.02	-1.9582	0.8887	-0.0703	-0.0086	0.0075	0.7683	0.2043	0.5640	-3.4474	
2	-5.77	-0.01	-1.9847	0.8941	-0.0688	-0.0089	0.0013	0.7685	0.2047	0.5618	-3.4735	
3	-5.77	-0.01	-2.1023	7.0167	-0.0483	-0.0752	0.0074	0.7583	0.2010	0.5573	-3.3376	
4	-4.67	-0.01	-1.4037	0.2372	-0.0615	-0.0773	0.0147	0.7387	0.1882	0.5505	-3.6610	
5	-2.84	-0.01	-1.4385	5.5623	-0.1007	-0.1137	0.0087	0.6684	0.1671	0.5213	-3.6666	
6	-1.02	-0.01	-1.1337	4.8728	-0.0494	-0.0817	0.0090	0.6158	0.1327	0.4830	-4.2580	
7	0.80	-0.01	-0.8725	4.3737	-0.0488	-0.0657	0.0096	0.5707	0.1257	0.4450	-5.0073	
8	2.87	-0.01	-0.8432	3.8875	-0.0762	-0.0893	0.0100	0.5342	0.1265	0.4077	-6.0132	
9	4.46	-0.02	-0.8252	3.3675	-0.0301	-0.0145	0.0104	0.4913	0.1271	0.3642	-8.7434	
10	6.30	-0.01	-0.8442	2.8711	-0.0574	-0.1303	0.0111	0.4522	0.1287	0.3236	-15.9142	
11	8.14	-0.00	0.1254	2.3551	-0.1130	-0.1270	0.0182	0.4136	0.1336	0.2800	19.1371	
12	9.94	-0.01	0.3031	1.8710	-0.0154	-0.0842	0.0188	0.3784	0.1382	0.2402	4.8085	
13	11.80	-0.00	0.6420	1.4251	-0.0372	-0.0226	0.0192	0.3475	0.1461	0.2018	2.2238	
14	13.65	-0.01	0.9453	1.1208	-0.0617	-0.0144	0.0174	0.3221	0.1584	0.1652	1.1856	
15	15.54	-0.01	1.1735	0.5470	-0.0015	-0.0907	0.0207	0.3005	0.1704	0.1361	0.0070	
16	17.40	-0.01	1.4383	0.7305	-0.1330	0.3773	0.0272	0.2779	0.1804	0.0976	0.5079	
17	19.32	-0.02	1.7921	0.3653	-0.2038	-0.0863	0.0393	0.2445	0.1934	0.0501	0.2038	
18	21.22	-0.03	2.1158	0.0557	-0.3706	1.0404	0.0338	0.2014	0.2061	-0.0047	0.0282	
19	23.13	-0.03	2.4582	-0.1585	-0.3855	1.2895	0.0275	0.1584	0.2135	-0.0551	-0.0808	
20	25.00	-0.03	2.8888	-0.5552	-0.5411	1.5845	0.0137	0.1134	0.2230	-0.1042	-0.1936	
21	26.94	-0.00	3.2551	-0.2552	-0.0558	-0.1555	0.0115	0.0675	0.2176	-0.1501	-0.0754	
22	27.84	0.00	3.4375	-0.2305	0.3754	-0.4504	0.0025	0.0404	0.2188	-0.1784	-0.0686	
23	28.61	0.04	3.5430	-0.3342	0.8055	-0.9262	0.0099	0.0241	0.2201	-0.1960	-0.0945	
24	28.37	0.05	3.5454	-0.4014	0.7250	-1.3301	0.0090	0.0348	0.2225	-0.1877	-0.1131	
25	28.64	0.03	3.6200	-0.3673	0.5388	-0.9175	0.0767	0.0314	0.2249	-0.1935	-0.1070	
26	28.47	0.05	3.7500	-0.5051	0.1517	-1.2102	0.0969	0.0180	0.2274	-0.2094	-0.1347	
27	29.28	0.05	3.8221	-0.4184	0.6525	-0.8508	0.0934	0.0147	0.2287	-0.2140	-0.1095	
28	29.37	0.06	3.8781	-0.3570	0.7828	-1.1715	0.0910	0.0080	0.2295	-0.2215	-0.1024	
29	29.05	0.06	4.0311	-0.5218	0.7435	-0.9506	0.0960	-0.0015	0.2348	-0.2363	-0.1299	
30	30.13	0.05	4.1420	-0.4031	0.6083	-0.8090	0.0915	-0.0105	0.2410	-0.2515	-0.1166	
31	30.38	0.07	4.1770	-0.5502	0.8200	-0.4053	0.1050	-0.0102	0.2403	-0.2505	-0.1333	
32	30.68	0.06	4.3556	-0.3507	0.7055	-0.7516	0.0992	-0.0224	0.2415	-0.2639	-0.0805	
33	30.94	0.08	4.4478	-0.3855	0.6891	-0.8116	0.0992	-0.0262	0.2418	-0.2700	-0.0877	
34	31.23	0.06	4.6230	-0.3154	0.7044	-0.5508	0.1003	-0.0293	0.2490	-0.2783	-0.0681	
35	31.50	0.07	4.7431	-0.3065	0.6617	-0.7046	0.1070	-0.0464	0.2450	-0.2960	-0.0646	
36	31.77	0.08	4.8980	-0.3054	0.7802	-0.7816	0.1077	-0.0491	0.2508	-0.2958	-0.0629	
37	32.05	0.07	4.9810	-0.1857	0.8745	-0.6362	0.1075	-0.0816	0.2536	-0.3173	-0.0381	
38	32.25	0.07	5.0255	-0.2500	0.8754	-0.6253	0.1078	-0.0523	0.2573	-0.3057	-0.0510	
39	32.58	0.06	5.0587	-0.1845	0.9520	-0.7580	0.1081	-0.0435	0.2565	-0.3001	-0.0365	
40	32.63	0.08	5.3085	-0.1594	0.9845	-0.9113	0.1098	-0.0383	0.2574	-0.3180	-0.0300	
41	33.00	0.09	5.3831	0.0530	1.1201	-1.4522	0.1109	-0.0601	0.2535	-0.3341	0.0095	
42	33.33	0.08	5.4444	0.1204	1.0402	-1.4318	0.1111	-0.0504	0.2515	-0.3475	0.0230	
43	33.58	0.08	5.5159	0.2975	0.0190	-1.3232	0.1092	-0.0634	0.2473	-0.3308	0.0340	
44	33.83	0.08	5.6490	0.6071	0.8345	-1.1829	0.0992	-0.1025	0.2461	-0.3486	0.1075	
45	34.09	0.07	5.6861	0.5955	0.7495	-0.8454	0.0988	-0.1059	0.2448	-0.3507	0.1048	
46	34.32	0.04	5.7428	0.7070	0.5351	-0.7440	0.0882	-0.1018	0.2424	-0.3442	0.1334	

PAGE 1 OF 3
Sheet 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACF RX10-6 P.M.I. CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 141 0.50 1.7 J.O. 0.100F14 C.C. 0 -20 0 -20 UNKNOWN

PCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	34.50	0.04	5.8946	0.0340	0.0208	-1.1655	0.1066	-0.1169	0.2444	-0.3633	0.1160
48	34.62	0.06	5.8547	0.1754	0.0303	-0.9814	0.0994	-0.1095	0.2427	-0.3522	0.1331
49	35.07	0.03	6.0175	0.5437	0.3642	-0.0150	0.0551	-0.1436	0.2325	-0.3768	0.1568
50	35.24	0.03	6.0633	1.0467	0.4629	-0.0512	0.0555	-0.1434	0.2325	-0.3755	0.1730
51	35.54	0.02	6.1255	1.1600	0.2112	-0.2584	0.0247	-0.1400	0.2313	-0.3773	0.1526
52	35.76	0.00	6.2036	1.1045	0.0514	-0.7005	0.0039	-0.1473	0.2313	-0.3786	0.1505
53	36.01	0.02	6.3654	1.2554	0.1475	-0.0396	0.0362	-0.1714	0.2313	-0.4027	0.1872
54	36.24	0.01	6.3405	1.2340	0.0763	-0.0533	0.0303	-0.1632	0.2313	-0.3945	0.1946
55	36.40	0.05	6.4508	1.2402	0.4506	-0.1306	0.0175	-0.1722	0.2321	-0.4043	0.1923
56	36.70	0.02	6.4723	1.2269	0.2003	-0.0095	0.0113	-0.1702	0.2321	-0.4063	0.1896
57	36.96	0.03	6.5452	1.3102	0.2045	-0.0650	0.0564	-0.1679	0.2330	-0.4005	0.2000
58	37.19	0.01	6.7066	1.2520	0.0262	-0.0549	0.0441	-0.1898	0.2317	-0.4215	0.1867
59	37.42	0.01	6.8556	1.3042	0.1226	-0.1748	0.0453	-0.2088	0.2325	-0.4413	0.1901
60	37.60	0.03	6.8674	1.3445	0.3055	-0.2715	0.0504	-0.2046	0.2322	-0.4366	0.1953
61	37.90	0.05	7.0347	1.2555	0.5476	-0.3466	0.0441	-0.2130	0.2371	-0.4501	0.1750
62	38.16	0.02	7.0420	1.2724	0.2031	-0.2150	0.0715	-0.2051	0.2366	-0.4417	0.1808
63	38.43	0.02	7.1154	1.2764	0.2521	-0.2651	0.0665	-0.2194	0.2370	-0.4504	0.1756
64	38.65	0.02	7.2004	1.2257	0.3173	-0.2604	0.0706	-0.2335	0.2375	-0.4710	0.1682
65	38.87	0.02	7.2525	1.2520	0.1557	-0.1578	0.0709	-0.2344	0.2371	-0.4715	0.1716
66	39.10	0.02	7.3624	1.2313	0.1206	-0.5624	0.0761	-0.2352	0.2390	-0.4944	0.1672
67	39.32	0.01	7.4542	1.1756	0.0607	-0.7102	0.0762	-0.2367	0.2394	-0.4766	0.1569
68	39.52	0.02	7.5171	1.1434	0.1263	-0.0542	0.0625	-0.2424	0.2449	-0.4874	0.1521
69	39.75	0.02	7.6667	1.1676	0.1666	-0.7117	0.0639	-0.2645	0.2420	-0.5086	0.1523
70	39.90	0.00	7.6650	1.2421	0.0663	-0.0540	0.0501	-0.2695	0.2371	-0.5067	0.1685
71	40.14	0.00	7.7453	1.0275	0.0080	-0.9545	0.0023	-0.2526	0.2466	-0.4995	0.1526
72	40.36	0.00	7.8677	1.1026	0.0412	-1.0603	0.0761	-0.2762	0.2391	-0.5154	0.1503
73	40.55	0.01	7.6755	1.1633	0.1137	-0.5794	0.0701	-0.2719	0.2476	-0.5156	0.1477
74	40.78	0.00	7.9633	1.1110	0.0706	-0.6285	0.0711	-0.2728	0.2461	-0.5190	0.1395
75	40.97	0.03	8.0370	0.9292	0.3455	-1.1315	0.0665	-0.2600	0.2495	-0.5096	0.1156
76	41.17	0.01	8.0607	1.0205	0.0617	-1.4175	0.0802	-0.2890	0.2470	-0.5167	0.1263
77	41.38	0.00	8.1255	1.2004	0.0603	-0.8157	0.0592	-0.2726	0.2445	-0.5172	0.1487
78	41.54	0.02	8.2302	1.0421	0.3247	-0.9920	0.0637	-0.2623	0.2511	-0.5335	0.1328
79	41.75	0.02	8.2019	1.1450	0.2360	-1.0441	0.0636	-0.2795	0.2445	-0.5241	0.1400
80	41.98	0.01	8.3034	1.0704	0.1331	-1.0972	0.0634	-0.2600	0.2461	-0.5312	0.1290
81	42.16	0.01	8.5221	0.8216	0.1447	-1.5572	0.0325	-0.2963	0.2515	-0.5458	0.0984
82	42.37	0.00	8.5446	1.0462	0.2361	-0.0513	0.0690	-0.3135	0.2445	-0.5580	0.1227
83	42.54	0.02	8.5359	1.0754	0.4264	-0.2322	0.0687	-0.3045	0.2367	-0.5432	0.1264
84	42.72	0.02	8.6050	1.0400	0.3161	-0.4092	0.0690	-0.3041	0.2379	-0.5420	0.1279
85	42.90	0.01	8.7260	0.5474	0.0034	-1.3163	0.0730	-0.3168	0.2556	-0.5724	0.1085
86	43.08	0.01	8.6412	1.0025	0.0633	-0.6025	0.0703	-0.3261	0.2428	-0.5705	0.1202
87	43.23	0.01	8.8054	1.0776	0.2285	-0.3036	0.0709	-0.3267	0.2441	-0.5728	0.1215
88	43.40	0.01	8.9726	1.0231	0.3366	-0.6112	0.0694	-0.3293	0.2494	-0.5767	0.1140
89	43.62	0.02	8.5563	0.5506	0.0345	-0.7366	0.0326	-0.3300	0.2457	-0.5757	0.1108
90	43.82	0.01	8.9625	1.0050	0.2022	-0.0213	0.0662	-0.3237	0.2465	-0.5762	0.1193
91	43.98	0.00	9.0526	0.6004	0.1326	-1.3530	0.0304	-0.3068	0.2592	-0.5660	0.0973
92	44.17	0.00	9.1220	1.0035	0.2637	-0.2492	0.0742	-0.3224	0.2450	-0.5714	0.1155

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		PACK	EXIG-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		141	0.00	1.0	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CN	CLM	CU	CLN	CLL	CA	CAB	CAF	XCP
93	44.38	-0.02	9.3111	1.0155	0.0953	0.0537	0.0743	-0.3483	0.2477	-0.5980	0.1091
94	44.53	-0.00	9.1141	0.9045	0.1832	0.1234	0.0332	-0.3008	0.2543	-0.5831	0.1059
95	44.73	-0.01	9.2001	1.0111	0.1178	0.4690	0.0858	-0.3357	0.2464	-0.5821	0.1122
96	44.90	0.00	9.4239	0.9252	0.1490	0.5735	0.0722	-0.3422	0.2514	-0.5936	0.0986
97	45.10	0.03	9.4578	1.0088	0.3785	0.8075	0.0647	-0.3405	0.2527	-0.5932	0.1066
98	45.27	-0.01	9.5995	0.9023	0.2831	0.0094	0.0806	-0.3030	0.2500	-0.6104	0.1003
99	45.43	-0.03	9.5055	1.1288	0.0075	0.5889	0.0807	-0.3884	0.2505	-0.6189	0.1187
100	45.63	-0.01	9.6047	0.9145	0.0481	0.7100	0.0599	-0.3826	0.2493	-0.6116	0.0953
101	45.81	-0.01	9.8151	0.7525	0.0421	1.4333	0.0322	-0.3513	0.2500	-0.6053	0.0808
102	45.94	0.01	9.6005	0.7010	0.0404	1.3273	0.0320	-0.3908	0.2551	-0.6509	0.0777
103	46.17	0.02	9.8594	0.9407	0.5435	0.4804	0.0848	-0.3472	0.2584	-0.5976	0.0954
104	46.35	-0.01	10.0005	0.9028	0.0687	0.3846	0.0430	-0.3758	0.2520	-0.6284	0.0480
105	46.54	-0.01	10.1210	0.9042	0.0055	2.0411	-0.0000	-0.3458	0.2650	-0.6108	0.0893
106	46.71	-0.02	10.0048	0.9424	-0.0202	0.1754	0.0513	-0.3703	0.2555	-0.6258	0.0535
107	46.87	0.01	10.0011	1.0055	0.4053	0.1231	0.0500	-0.3613	0.2539	-0.6152	0.0555
108	47.05	-0.01	10.2539	1.0253	0.0057	1.1787	0.0415	-0.3793	0.2617	-0.6410	0.1000
109	47.23	-0.00	10.3038	1.3047	0.1558	0.7833	0.0435	-0.3743	0.2648	-0.6389	0.0975
110	47.41	-0.00	10.3297	0.9994	0.0592	1.4880	0.0270	-0.3640	0.2774	-0.6420	0.0968
111	47.58	-0.00	10.3007	1.0734	0.2048	0.3290	0.0541	-0.3523	0.2694	-0.6177	0.1042
112	47.74	-0.01	10.4004	1.1056	0.1024	0.4192	0.0516	-0.3679	0.2642	-0.6321	0.1055
113	47.90	0.01	10.4567	1.0007	0.4066	0.3210	0.0642	-0.3677	0.2703	-0.6330	0.0566
114	48.09	0.04	10.5005	1.0215	0.0092	0.3767	0.0639	-0.3507	0.2732	-0.6299	0.0967
115	48.27	-0.02	10.7002	0.6283	-0.0875	1.5187	0.0229	-0.3844	0.2776	-0.6622	0.0774
116	48.45	-0.02	10.8204	0.8551	-0.0723	1.2580	0.0049	-0.3803	0.2810	-0.6883	0.0609
117	48.59	0.01	10.8253	0.5286	0.1390	2.1761	-0.0499	-0.3375	0.3005	-0.6383	0.0488
118	48.77	0.02	10.7081	0.7052	0.4019	1.5808	0.0347	-0.3668	0.2919	-0.6506	0.0711
119	48.95	0.00	11.1074	0.0300	0.0935	2.7045	-0.0513	-0.3444	0.3401	-0.6445	0.0028
120	49.11	-0.01	11.0025	0.2706	0.0053	2.4010	-0.0500	-0.3882	0.3264	-0.6926	0.0245
121	49.32	0.03	11.3900	-0.5051	0.6539	2.3022	-0.0119	-0.3339	0.3643	-0.6882	-0.0499
122	49.45	0.05	11.4030	-0.0503	0.0020	2.2175	-0.0242	-0.3437	0.3635	-0.7072	-0.0741
123	49.67	0.04	11.8555	-1.1134	0.4832	2.5593	-0.0247	-0.2603	0.3755	-0.6367	-0.1294
124	49.80	0.02	12.3044	-2.0557	0.2215	3.6420	-0.0528	-0.2800	0.4163	-0.6470	-0.2077
125	50.05	0.03	12.2059	-2.2300	0.4442	2.8598	-0.0683	-0.3187	0.3777	-0.6954	-0.1862
126	50.24	0.01	12.3229	-2.4581	0.3080	2.3920	-0.0728	-0.3281	0.3848	-0.7129	-0.1503
127	50.39	0.03	12.4305	-2.4636	0.4626	2.3503	-0.0730	-0.3014	0.3859	-0.6873	-0.1968
128	50.55	0.07	12.4207	-2.2412	0.5921	2.3323	-0.0547	-0.3343	0.3851	-0.7234	-0.1844
129	50.73	0.02	12.5342	-2.2273	0.4003	2.1030	-0.0457	-0.3025	0.3925	-0.6950	-0.1777
130	50.91	0.03	12.6345	-2.4730	0.5555	2.3318	-0.0531	-0.3122	0.4021	-0.7143	-0.1957
131	51.05	0.05	12.5869	-2.3941	0.8283	2.0413	-0.0335	-0.2927	0.3973	-0.6917	-0.1902
132	51.24	0.04	12.5414	-3.0357	0.8544	2.3480	-0.0586	-0.3010	0.4139	-0.7155	-0.2348
133	51.43	0.03	13.1424	-3.2001	0.6317	2.7096	-0.0530	-0.2289	0.4316	-0.6585	-0.2441
134	51.59	0.03	13.0017	-3.2150	0.8034	2.3323	-0.0527	-0.2885	0.4207	-0.6953	-0.2461
135	51.77	0.04	13.4183	-3.5282	0.7065	2.3531	-0.0456	-0.2452	0.4417	-0.6870	-0.2630
136	51.95	0.07	13.3055	-3.4041	1.0085	2.3414	-0.0202	-0.2404	0.4471	-0.6536	-0.2558
137	52.10	0.00	13.3770	-3.5088	1.0536	2.5675	-0.0399	-0.2510	0.4438	-0.6955	-0.2623
138	52.28	0.05	13.4444	-3.5485	0.8490	2.5137	-0.0200	-0.2280	0.4518	-0.6779	-0.2635

PAGE 1 OF 3
 SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO=8											
7 141 0.50 1.7 0.00 0.00 1.0 C.C. 0 -20 0 -20 UNKNOWN											
POINT	ALPHA	DELTA	CX	CLM	CV	CLL	CLL	CA	CAB	CAF	XCP
139	52.42	0.03	13.4450	-3.5421	0.7153	2.5447	-0.0325	-0.2337	0.4536	-0.6844	-0.2635
140	52.59	0.07	13.4725	-3.5761	1.0766	2.2673	-0.0193	-0.2417	0.4548	-0.6906	-0.2655
141	52.79	0.07	13.5855	-3.5902	1.1511	2.1344	-0.0186	-0.2346	0.4494	-0.7041	-0.2643
142	52.95	0.02	13.6235	-3.5601	0.8300	2.0470	-0.0104	-0.2337	0.4478	-0.6816	-0.2481
143	53.09	0.01	13.4771	-3.5204	0.4426	2.1426	-0.0049	-0.2760	0.4438	-0.7159	-0.2612
144	53.20	0.02	13.6505	-3.5640	0.6638	1.9523	0.0027	-0.2419	0.4458	-0.6938	-0.2404
145	53.44	0.04	13.5314	-3.5275	0.8565	2.0096	-0.0347	-0.2333	0.4435	-0.6739	-0.2607
146	53.60	0.05	13.6579	-3.5547	0.9402	1.9461	0.0304	-0.2263	0.4523	-0.6807	-0.2603
147	53.75	0.07	13.6615	-3.6804	1.1345	2.1378	0.0309	-0.2411	0.4510	-0.6922	-0.2694
148	53.92	0.06	13.7606	-3.5801	0.9475	2.1149	-0.0045	-0.2390	0.4533	-0.7124	-0.2583
149	54.08	0.05	13.7658	-3.4422	0.6456	1.7314	0.0309	-0.2507	0.4532	-0.7050	-0.2541
150	54.22	0.04	13.6446	-3.5307	0.9307	1.5014	0.0103	-0.2449	0.4413	-0.6443	-0.2432
151	54.39	0.05	13.6530	-3.5503	0.9195	1.5538	0.0105	-0.2795	0.4522	-0.7318	-0.2592
152	54.52	0.07	13.6611	-3.3734	1.0211	1.7395	0.0220	-0.2263	0.4565	-0.6829	-0.2466
153	54.70	0.02	13.6925	-3.4453	0.7205	1.5509	0.0374	-0.2529	0.4566	-0.7495	-0.2483
154	54.85	0.00	13.8954	-3.5242	0.5315	1.0047	0.0310	-0.2270	0.4778	-0.7049	-0.2536
155	55.01	0.01	13.6481	-3.5565	0.5043	1.0364	0.0520	-0.2230	0.4697	-0.7097	-0.2580
156	55.16	0.04	14.0585	-3.6751	0.6572	1.3534	0.0750	-0.2410	0.5122	-0.7532	-0.2607
157	55.30	0.03	14.0175	-3.5548	0.8727	1.4358	0.0589	-0.2352	0.5233	-0.7585	-0.2584
158	55.47	0.01	14.1009	-3.7247	0.5915	1.4396	0.0703	-0.2077	0.5205	-0.7282	-0.2625
159	55.62	0.04	14.1208	-3.6780	0.5174	1.2579	0.0702	-0.2331	0.5132	-0.7453	-0.2603
160	55.79	0.07	14.0030	-3.6100	1.0754	1.4408	0.0751	-0.2432	0.5030	-0.7408	-0.2568
161	55.93	0.04	14.0555	-3.5551	0.7746	1.3271	0.0760	-0.2606	0.4921	-0.7527	-0.2600
162	56.08	0.02	14.0950	-3.4814	0.7006	1.4536	0.0690	-0.2667	0.4929	-0.7616	-0.2470
163	56.20	0.05	14.2247	-3.5583	0.8675	1.5508	0.0753	-0.2927	0.4938	-0.7864	-0.2530
164	56.40	0.01	14.1326	-3.6125	0.5482	1.3509	0.0703	-0.2604	0.5102	-0.7766	-0.2556
165	56.55	0.05	14.1126	-3.6855	0.6725	1.4164	0.0630	-0.2633	0.5188	-0.7821	-0.2615
166	56.69	0.04	14.0034	-3.6759	0.5511	1.2049	0.0548	-0.2074	0.5295	-0.7509	-0.2613
167	56.85	0.02	14.2270	-3.7538	0.6022	1.3787	0.0540	-0.2720	0.5282	-0.8002	-0.2667
168	57.01	0.01	14.1755	-3.6732	0.5067	1.2174	0.0547	-0.2706	0.5376	-0.8132	-0.2591
169	57.15	0.01	14.2241	-3.6426	0.4554	1.3782	0.0520	-0.2609	0.5357	-0.8006	-0.2554
170	57.29	0.04	14.2017	-3.5121	0.7047	1.3604	0.0542	-0.2770	0.5436	-0.8226	-0.2463
171	57.46	0.01	14.4964	-3.5824	0.4780	1.0114	0.0506	-0.2571	0.5464	-0.8434	-0.2471
172	57.55	0.00	14.5021	-3.2232	0.1345	0.6571	0.0440	-0.3073	0.5295	-0.8367	-0.2244
173	57.73	0.05	14.3722	-2.7933	-0.2545	-0.1606	0.0525	-0.3375	0.4933	-0.8327	-0.1544
174	57.87	0.05	14.1814	-2.8034	-0.2256	-0.0612	0.0340	-0.3202	0.5261	-0.8402	-0.2019
175	58.03	0.08	14.3133	-3.3190	-0.2570	-0.1518	0.0215	-0.3195	0.5328	-0.8522	-0.2319
176	58.15	0.10	14.3223	-3.3436	-0.3734	-0.2571	0.0342	-0.2457	0.5436	-0.8412	-0.2335
177	58.17	0.10	14.5050	-3.5188	-0.4551	-0.2578	0.0215	-0.2624	0.5531	-0.8355	-0.2425

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (ASROC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

 PAGE 2 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACT RAIG-8			PHI	CNCF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION			
7			141	C.50	1.7	J.0	0.10014	C.C	J	-20	J	-20	UNKNOWN
PCINT	ALPHA	BETA	CNF1	CNF1	CNF1	XCFF1	YCFF1	CNF2	CNF2	CNF2	XCFF2	YCFF2	
1	-5.77	-0.02	-0.0021	-0.0004	-0.0178	0.1505	-8.4762	-0.3775	0.0013	-0.3188	-0.0015	0.3633	
2	-5.77	-0.01	-0.0014	-0.0004	-0.0161	0.2105	-0.4757	-0.8005	0.0009	-0.3179	-0.0010	0.3610	
3	-5.77	-0.01	-0.0032	-0.0004	-0.0153	0.2150	-0.7813	-0.8005	0.0008	-0.3175	-0.0005	0.3810	
4	-4.67	-0.01	-0.0006	-0.0004	-0.0135	0.0690	-2.3965	-0.7850	0.0017	-0.2987	-0.0008	0.3801	
5	-2.84	-0.01	-0.0016	-0.0004	-0.0150	0.0150	-0.3333	-0.8844	0.0114	-0.2779	-0.0187	0.4060	
6	-1.02	-0.01	-0.0003	-0.0002	-0.0134	-0.0000	-0.0007	-0.3703	0.0120	-0.2005	-0.0221	0.4508	
7	0.80	-0.01	-0.0026	-0.0002	-0.0057	-0.0765	-3.7308	-0.4525	0.0142	-0.2343	-0.0288	0.4753	
8	2.07	-0.01	-0.0012	-0.0002	-0.0095	-0.1000	-7.7500	-0.4037	0.0164	-0.2004	-0.0400	0.5113	
9	4.46	-0.02	0.0000	-0.0002	-0.0110	-0.0002	0.0110	-0.3229	0.0170	-0.1772	-0.0545	0.5488	
10	6.30	-0.01	0.0005	-0.0005	-0.0141	-0.2000	5.6400	-0.2301	0.0172	-0.1410	-0.0722	0.5547	
11	8.14	-0.00	0.0005	-0.0010	-0.0177	-0.3005	3.0122	-0.1501	0.0159	-0.1075	-0.1018	0.6087	
12	9.94	-0.01	0.0000	-0.0015	-0.0170	-1.8747	22.2500	-0.0790	0.0125	-0.0740	-0.1570	0.9298	
13	11.80	-0.00	-0.0016	-0.0022	-0.0157	0.2694	-2.5921	0.0014	0.0007	-0.0402	8.2134	-28.7143	
14	13.65	-0.01	-0.0010	-0.0001	-0.0162	0.1940	-0.7804	0.0002	0.0000	-0.0200	0.1552	-0.3584	
15	15.54	-0.01	-0.0027	-0.0000	-0.0105	0.2425	-0.7409	0.0070	0.0140	-0.0116	0.1557	-0.1555	
16	17.40	-0.01	-0.0024	-0.0004	-0.0095	0.1317	-0.2044	0.1105	0.0149	0.0124	0.1253	0.1043	
17	19.32	-0.02	-0.0048	-0.0014	-0.0147	0.3033	-0.3075	0.1184	0.0188	0.0221	0.1132	0.1485	
18	21.24	-0.02	-0.0025	-0.0017	-0.0007	0.1078	-0.1075	0.2091	0.0183	0.0458	0.0875	0.2190	
19	23.10	-0.03	-0.0055	-0.0041	-0.0115	0.1123	0.0916	0.2338	0.0222	0.0535	0.0550	0.2250	
20	25.00	-0.03	-0.0060	-0.0040	-0.0095	0.0450	0.2315	0.2702	0.0202	0.0029	0.0570	0.2328	
21	26.94	0.00	0.0150	0.0025	-0.0055	0.1455	1.6135	0.3017	0.0203	0.1075	0.0685	0.2527	
22	27.09	0.05	0.1072	0.0017	-0.0020	0.0155	0.4407	0.4001	0.0272	0.1145	0.0670	0.2825	
23	28.01	0.04	0.1455	0.0022	-0.0055	0.0147	0.4360	0.4209	0.0277	0.1205	0.0658	0.2872	
24	28.37	0.05	0.2148	0.0030	-0.0000	0.0100	0.4210	0.4367	0.0280	0.1261	0.0647	0.2914	
25	28.65	0.03	0.2078	0.0037	-0.0055	0.0178	0.4109	0.4332	0.0287	0.1263	0.0662	0.2916	
26	28.97	0.05	0.2545	0.0050	-0.0007	0.0220	0.3951	0.4420	0.0292	0.1301	0.0661	0.2943	
27	29.28	0.05	0.1821	0.0047	-0.0078	0.0258	0.4322	0.4359	0.0297	0.1264	0.0681	0.2948	
28	29.57	0.00	0.2000	0.0043	-0.0041	0.0214	0.4180	0.4306	0.0297	0.1321	0.0659	0.2930	
29	29.85	0.06	0.2007	0.0040	-0.0066	0.0193	0.4190	0.4507	0.0302	0.1330	0.0670	0.2951	
30	30.13	0.05	0.1777	0.0045	-0.0045	0.0270	0.4215	0.4551	0.0305	0.1352	0.0670	0.2971	
31	30.36	0.07	0.2174	0.0054	-0.0075	0.0248	0.4025	0.4641	0.0307	0.1385	0.0661	0.2993	
32	30.60	0.00	0.1502	0.0077	-0.0081	0.0342	0.3941	0.4671	0.0307	0.1398	0.0657	0.2993	
33	30.94	0.00	0.1025	0.0081	-0.0032	0.0430	0.3883	0.4716	0.0309	0.1402	0.0655	0.2973	
34	31.23	0.00	0.2030	0.0124	-0.0081	0.0600	0.3802	0.4775	0.0309	0.1437	0.0647	0.3005	
35	31.50	0.07	0.1500	0.0111	-0.0058	0.0566	0.3807	0.4821	0.0307	0.1440	0.0637	0.2995	
36	31.77	0.00	0.2191	0.0115	-0.0015	0.0550	0.3525	0.4848	0.0309	0.1400	0.0624	0.3003	
37	32.05	0.07	0.1527	0.0125	-0.0032	0.0645	0.3830	0.4959	0.0312	0.1312	0.0624	0.3025	
38	32.29	0.07	0.1911	0.0125	-0.0020	0.0611	0.3700	0.4903	0.0310	0.1455	0.0634	0.3008	
39	32.50	0.08	0.1578	0.0161	-0.0045	0.0615	0.3770	0.5058	0.0315	0.1535	0.0623	0.3035	
40	32.85	0.00	0.2072	0.0163	-0.0004	0.0607	0.3641	0.5206	0.0311	0.1600	0.0550	0.3045	
41	33.08	0.09	0.2033	0.0155	-0.0003	0.0547	0.3550	0.5355	0.0306	0.1661	0.0561	0.3045	
42	33.33	0.00	0.2755	0.0135	-0.0051	0.0504	0.3547	0.5438	0.0310	0.1660	0.0570	0.3064	
43	33.58	0.08	0.2005	0.0143	-0.0042	0.0548	0.3811	0.5583	0.0312	0.1676	0.0585	0.3057	
44	33.85	0.00	0.2557	0.0104	-0.0053	0.0434	0.3725	0.5614	0.0313	0.1650	0.0578	0.3048	
45	34.09	0.07	0.2104	0.0085	-0.0055	0.0411	0.3674	0.5505	0.0315	0.1635	0.0587	0.3045	
46	34.36	0.04	0.1624	0.0074	-0.0006	0.0406	0.3761	0.5443	0.0317	0.1665	0.0582	0.3055	

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RXIC-6				PHI	CONF	CELL	DEL2	DEL3	DEL4	TRANSITION		
7 1-1 0.50 1.7				0.0	BLIND 14	0.0	J -20	0	-20	UNKNOWN		
PCINT	ALPHA	BETA	CONF	CHI	CHI	ALPFI	YLPFI	CONF	CHI	CHI	XCPFI	YCPFI
47	34.58	0.04	0.2453	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
48	34.58	0.04	0.2453	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
49	35.07	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50	35.24	0.03	0.1103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
51	35.54	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
52	35.78	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
53	36.01	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
54	36.24	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
55	36.46	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
56	36.70	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
57	36.96	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
58	37.19	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
59	37.42	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60	37.66	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
61	37.90	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
62	38.16	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
63	38.43	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
64	38.69	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
65	38.97	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
66	39.10	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
67	39.32	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
68	39.52	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
69	39.75	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70	39.96	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
71	40.14	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
72	40.36	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
73	40.55	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
74	40.76	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
75	40.97	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
76	41.17	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
77	41.38	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
78	41.59	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
79	41.79	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
80	41.98	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
81	42.16	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
82	42.37	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
83	42.54	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
84	42.72	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85	42.90	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
86	43.08	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
87	43.23	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
88	43.40	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
89	43.52	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
90	43.62	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
91	43.76	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
92	43.87	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PAGE 2 OF 3
 SHEET 3 OF 4

MANTIN MISSILE TAILS EFFECTS DATA

POINT	TEST PART MANT RXIC=6		CNF1	PHT		CNF2	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
	1	141 0.90 1.7		0.0	0.0	0.0	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	DELTA	CNF1	CNF1	CNF1	ACPF1	YCPF1	CNF2	CNF2	CNF2	ACPF2	YCPF2
93	44.38	-0.02	0.0767	0.0767	0.0767	0.1499	0.1069	0.0693	0.0532	0.1831	0.0669	0.2734
94	44.53	-0.00	0.0455	0.0455	0.0455	0.2104	0.0391	0.0609	0.0583	0.1788	0.0662	0.2705
95	44.73	-0.01	0.0352	0.0352	0.0352	0.2687	-0.2117	0.0677	0.0530	0.1620	0.0658	0.2667
96	44.90	0.00	0.0111	0.0111	0.0111	0.4453	1.4904	0.0577	0.0536	0.1757	0.0409	0.2671
97	45.10	0.03	0.0445	0.0445	0.0445	0.2227	0.7790	0.0619	0.0597	0.1745	0.0502	0.2638
98	45.27	-0.01	0.0470	0.0470	0.0470	0.2208	0.8023	0.0600	0.0582	0.1681	0.0430	0.2703
99	45.43	-0.03	0.0567	0.0567	0.0567	0.1653	-0.0547	0.0721	0.0580	0.1874	0.0626	0.2665
100	45.63	-0.01	0.0312	0.0312	0.0312	0.0292	0.1509	0.0793	0.0602	0.1775	0.0666	0.2615
101	45.81	-0.01	0.0574	0.0574	0.0574	0.0521	0.0678	0.0623	0.0606	0.1770	0.0651	0.2554
102	45.95	0.01	0.0355	0.0355	0.0355	0.0420	0.1402	0.0698	0.0603	0.1794	0.0674	0.2601
103	46.17	0.02	0.0162	0.0162	0.0162	0.0227	0.5123	0.0673	0.0606	0.1795	0.0665	0.2574
104	46.35	-0.01	0.0145	0.0145	0.0145	0.0250	0.5448	0.0704	0.0603	0.1793	0.0662	0.2554
105	46.56	-0.01	0.0241	0.0241	0.0241	0.0554	0.0311	0.0658	0.0615	0.1686	0.0524	0.2532
106	46.71	-0.04	0.0515	0.0515	0.0515	0.1903	-0.1146	0.0719	0.0607	0.1838	0.0643	0.2553
107	46.87	0.01	0.0224	0.0224	0.0224	0.0271	0.3345	0.0733	0.0616	0.1777	0.0678	0.2527
108	47.05	-0.01	0.0143	0.0143	0.0143	0.0291	0.7132	0.0709	0.0623	0.1777	0.0687	0.2521
109	47.23	-0.00	0.0213	0.0213	0.0213	0.0212	7.1324	0.0765	0.0622	0.1772	0.0680	0.2508
110	47.41	-0.00	0.0447	0.0447	0.0447	0.0350	0.1924	0.0750	0.0620	0.1759	0.0668	0.2495
111	47.56	-0.00	0.0373	0.0373	0.0373	0.0250	0.2252	0.0775	0.0632	0.1720	0.0602	0.2456
112	47.74	-0.01	0.0365	0.0365	0.0365	0.0103	0.3301	0.0743	0.0628	0.1611	0.0667	0.2500
113	47.90	0.01	0.0140	0.0140	0.0140	0.0150	0.6459	0.0710	0.0639	0.1754	0.0655	0.2457
114	48.09	0.04	0.0135	0.0135	0.0135	0.0249	0.0221	0.0715	0.0646	0.1750	0.0603	0.2446
115	48.27	-0.02	0.0125	0.0125	0.0125	0.0211	0.0301	0.0726	0.0624	0.1611	0.0659	0.2494
116	48.45	-0.02	0.0353	0.0353	0.0353	0.0717	0.0418	0.0742	0.0641	0.1775	0.0676	0.2440
117	48.59	0.01	0.0214	0.0214	0.0214	0.0105	0.0660	0.0707	0.0596	0.2066	0.0662	0.2606
118	48.77	0.02	0.0545	0.0545	0.0545	0.0522	0.0710	0.0550	0.0644	0.1724	0.0687	0.2382
119	48.95	0.00	0.0210	0.0210	0.0210	0.0105	0.0675	0.0505	0.0546	0.2050	0.0662	0.2561
120	49.11	-0.01	0.0104	0.0104	0.0104	0.0110	0.0701	0.0420	0.0547	0.2120	0.0661	0.2562
121	49.31	0.05	0.0155	0.0155	0.0155	0.0254	0.0657	0.0437	0.0535	0.2235	0.0623	0.2550
122	49.45	0.05	0.0107	0.0107	0.0107	0.0001	0.0714	0.0404	0.0531	0.2217	0.0617	0.2577
123	49.67	0.04	0.0235	0.0235	0.0235	0.0525	0.0384	0.0394	0.0598	0.1860	0.0756	0.2377
124	49.80	0.02	0.0361	0.0361	0.0361	0.0172	0.1400	0.0326	0.0413	0.0539	0.0662	0.2451
125	50.05	0.03	0.0257	0.0257	0.0257	0.0287	0.1308	0.0314	0.0671	0.0510	0.0754	0.2484
126	50.24	0.01	0.0172	0.0172	0.0172	0.0358	0.1050	0.0314	0.0484	0.0498	0.0554	0.2493
127	50.35	0.03	0.0154	0.0154	0.0154	0.0311	0.0441	0.0357	0.0508	0.0502	0.0554	0.2477
128	50.55	0.07	0.0114	0.0114	0.0114	0.0252	0.0413	0.0405	0.0401	0.0511	0.0561	0.2478
129	50.73	0.02	0.0725	0.0725	0.0725	0.0276	0.0283	0.0375	0.0475	0.0491	0.0591	0.2487
130	50.91	0.03	0.0144	0.0144	0.0144	0.0311	0.0300	0.0348	0.0413	0.0497	0.0544	0.2487
131	51.05	0.05	0.0159	0.0159	0.0159	0.0285	0.0276	0.0374	0.0419	0.0485	0.0532	0.2478
132	51.24	0.04	0.0171	0.0171	0.0171	0.0310	0.0250	0.0420	0.0428	0.0460	0.0498	0.2475
133	51.43	0.03	0.0502	0.0502	0.0502	0.0310	0.0253	0.0340	0.0346	0.0319	0.0465	0.2493
134	51.55	0.03	0.0666	0.0666	0.0666	0.0353	0.0254	0.0375	0.0429	0.0427	0.0462	0.2475
135	51.77	0.04	0.0752	0.0752	0.0752	0.0260	0.0230	0.0378	0.0478	0.0475	0.0528	0.2460
136	51.95	0.07	0.0545	0.0545	0.0545	0.0247	0.0101	0.0451	0.0454	0.0474	0.0541	0.2374
137	52.13	0.06	0.0607	0.0607	0.0607	0.0278	0.0344	0.0453	0.0485	0.0495	0.0558	0.2387
138	52.28	0.05	0.0707	0.0707	0.0707	0.0230	0.0253	0.0471	0.0503	0.0507	0.0577	0.2349

PAGE 2 OF 3
SHEET 4 OF 4

PARTIAL PASSIVE TAILS EFFECTS DATA

TEST PART			WACH		AX10-0	PHI	CENF	L	SECI	DEL2	DEL3	DEL4	TRANSITION
7			141		0.50	1.7	0.0	0.14	0.0	-20	0	-20	UNKNOWN
FLINT	ALPHA	BETA	CNF1	CH1	CB1	ACPF1	YCPF1	CNF2	CH2	Co2	ALPF2	YCPF2	
139	52.42	0.03	-0.0052	-0.0257	-0.0187	0.3713	0.2413	0.8660	0.0514	0.2088	0.0580	0.2357	
140	52.59	0.07	-0.0046	-0.0249	-0.0076	0.5502	0.1570	0.8804	0.0497	0.2073	0.0564	0.2355	
141	52.75	0.07	-0.0037	-0.0222	-0.0005	0.5079	0.1575	0.8773	0.0495	0.2055	0.0565	0.2342	
142	52.95	0.02	-0.0006	-0.0204	-0.0040	0.6666	0.1507	0.8826	0.0493	0.2017	0.0571	0.2338	
143	53.05	0.01	-0.0045	-0.0222	-0.0056	0.0073	0.1004	0.8672	0.0486	0.2024	0.0560	0.2334	
144	53.28	0.02	-0.0275	-0.0186	0.0009	0.0545	-0.0327	0.8265	0.0483	0.1981	0.0563	0.2336	
145	53.44	0.04	-0.0019	-0.0215	-0.0042	0.4142	0.0925	0.8718	0.0481	0.2043	0.0552	0.2343	
146	53.60	0.05	-0.0030	-0.0145	0.0015	0.5502	-0.0455	0.8645	0.0463	0.2031	0.0535	0.2349	
147	53.75	0.07	-0.0070	-0.0217	-0.0014	0.4616	0.0256	0.8747	0.0476	0.2041	0.0544	0.2333	
148	53.92	0.06	-0.0055	-0.0154	0.0010	0.4511	-0.0253	0.8667	0.0467	0.2025	0.0538	0.2331	
149	54.08	0.05	-0.0062	-0.0173	0.0021	0.6134	-0.2163	0.8748	0.0455	0.2035	0.0525	0.2331	
150	54.24	0.04	-0.0032	-0.0125	0.0032	0.3500	-0.2241	0.8590	0.0438	0.1995	0.0510	0.2322	
151	54.39	0.05	-0.0024	-0.0133	0.0115	2.0770	-1.7769	0.8605	0.0441	0.2064	0.0496	0.2366	
152	54.52	0.07	-0.0011	-0.0133	0.0021	0.3769	-0.0769	0.8523	0.0370	0.2005	0.0454	0.2352	
153	54.70	0.02	-0.0155	-0.0062	0.0070	0.4422	-0.3516	0.8587	0.0365	0.2012	0.0436	0.2343	
154	54.85	0.00	-0.0002	-0.0062	0.0192	0.0155	0.6356	0.8521	0.0326	0.2015	0.0385	0.2365	
155	55.01	0.01	0.0225	-0.0018	0.0178	-0.0800	0.7522	0.8656	0.0307	0.2044	0.0355	0.2381	
156	55.16	0.04	0.0275	0.0001	0.0191	0.0036	0.6945	0.8493	0.0311	0.1995	0.0366	0.2349	
157	55.30	0.05	0.0255	0.0021	0.0167	0.0811	0.7220	0.8434	0.0314	0.1981	0.0372	0.2325	
158	55.47	0.01	0.0346	0.0045	0.0226	0.1416	0.6356	0.8527	0.0267	0.2014	0.0337	0.2362	
159	55.62	0.04	0.0253	0.0047	0.0208	0.1604	0.7095	0.8570	0.0298	0.2013	0.0348	0.2349	
160	55.79	0.07	0.0268	0.0036	0.0205	0.1416	0.7799	0.8584	0.0290	0.2021	0.0338	0.2354	
161	55.93	0.04	0.0163	0.0043	0.0176	0.2636	1.0797	0.8691	0.0306	0.1985	0.0363	0.2338	
162	56.08	0.02	0.0007	0.0041	0.0125	0.8064	17.8571	0.8552	0.0305	0.1956	0.0357	0.2327	
163	56.26	0.05	-0.0046	0.0045	0.0108	-0.9761	-2.3476	0.8525	0.0290	0.1956	0.0340	0.2344	
164	56.40	0.01	0.0054	0.0046	0.0181	0.7400	3.3516	0.8694	0.0335	0.2026	0.0365	0.2333	
165	56.55	0.05	-0.0012	0.0035	0.0168	-2.9163	-14.0000	0.8754	0.0326	0.2062	0.0372	0.2355	
166	56.69	-0.02	-0.0052	0.0044	0.0155	-0.0076	-3.5577	0.8710	0.0316	0.2035	0.0365	0.2336	
167	56.85	0.02	-0.0105	0.0036	0.0158	-0.3428	-1.5048	0.8945	0.0325	0.2109	0.0363	0.2358	
168	57.01	0.01	-0.0147	0.0041	0.0160	-0.2784	-1.0854	0.8885	0.0335	0.2064	0.0377	0.2326	
169	57.15	0.01	-0.0145	0.0041	0.0172	-0.2751	-1.1544	0.8916	0.0324	0.2095	0.0363	0.2350	
170	57.29	0.04	-0.0256	0.0052	0.0183	-0.2615	-0.6316	0.8826	0.0336	0.2066	0.0374	0.2341	
171	57.46	0.01	-0.0285	0.0055	0.0167	-0.1950	-0.5545	0.8974	0.0334	0.2108	0.0372	0.2345	
172	57.55	-0.02	-0.0335	0.0047	0.0165	-0.1366	-0.4067	0.9107	0.0334	0.2143	0.0367	0.2353	
173	57.75	-0.08	-0.0441	0.0016	0.0146	-0.0227	-0.3311	0.9374	0.0333	0.2224	0.0355	0.2373	
174	57.87	-0.09	-0.0416	0.0006	0.0161	-0.0192	-0.3670	0.9331	0.0322	0.2210	0.0345	0.2368	
175	58.03	-0.08	-0.0402	-0.0013	0.0167	0.0323	-0.4652	0.9306	0.0293	0.2235	0.0315	0.2402	
176	58.15	-0.10	-0.0367	-0.0004	0.0216	0.0109	-0.5000	0.9410	0.0305	0.2247	0.0322	0.2386	
177	58.17	-0.10	-0.0446	-0.0001	0.0191	0.0022	-0.5426	0.9437	0.0317	0.2239	0.0336	0.2373	

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST POINT NAME		PHI		CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		191		0.0		0		0		0		0		UNKNOWN	
PCINT	ALPHA	BETA	CONF	CH3	CH4	YCPF3	YCPF3	CONF4	CH4	CH4	YCPF4	YCPF4	YCPF4	YCPF4	YCPF4
1	-5.77	-0.02	-0.0222	5.5555	0.0280	5.5555	-1.2613	-1.0409	0.0017	-0.3034	-0.0016	0.2515	0.2515	0.2515	0.2515
2	-5.77	-0.01	-0.0161	5.5555	0.0280	5.5555	-1.7005	-1.0398	0.0022	-0.3043	-0.0021	0.2527	0.2527	0.2527	0.2527
3	-5.77	-0.01	-0.0155	5.5555	0.0283	5.5555	-1.5026	-1.0383	0.0023	-0.3025	-0.0022	0.2513	0.2513	0.2513	0.2513
4	-4.07	-0.01	-0.0222	5.5555	0.0280	5.5555	-1.2013	-0.9441	0.0003	-0.2010	-0.0008	0.2576	0.2576	0.2576	0.2576
5	-2.84	-0.01	-0.0161	5.5555	0.0285	5.5555	-1.6519	-0.8490	0.0111	-0.2602	-0.0131	0.3065	0.3065	0.3065	0.3065
6	-1.02	-0.01	-0.0195	5.5555	0.0285	5.5555	-1.5026	-0.7325	0.0120	-0.2355	-0.0164	0.3270	0.3270	0.3270	0.3270
7	0.80	-0.01	-0.0161	5.5555	0.0305	5.5555	-1.6851	-0.6350	0.0135	-0.2188	-0.0213	0.3446	0.3446	0.3446	0.3446
8	2.67	-0.01	-0.0222	5.5555	0.0291	5.5555	-1.3106	-0.5380	0.0158	-0.1951	-0.0254	0.3626	0.3626	0.3626	0.3626
9	4.46	-0.02	-0.0154	5.5555	0.0312	5.5555	-2.0260	-0.4473	0.0173	-0.1684	-0.0387	0.3765	0.3765	0.3765	0.3765
10	6.30	-0.01	-0.0195	5.5555	0.0304	5.5555	-1.5846	-0.3555	0.0166	-0.1327	-0.0467	0.3733	0.3733	0.3733	0.3733
11	8.14	-0.00	-0.0154	5.5555	0.0290	5.5555	-1.8354	-0.2560	0.0155	-0.1044	-0.0605	0.4078	0.4078	0.4078	0.4078
12	9.54	-0.01	-0.0048	5.5555	0.0278	5.5555	-6.7305	-0.1671	0.0124	-0.0677	-0.0742	0.4051	0.4051	0.4051	0.4051
13	11.80	-0.00	0.0018	5.5555	0.0207	5.5555	11.5000	-0.0924	0.0077	-0.0383	-0.1050	0.4145	0.4145	0.4145	0.4145
14	13.65	-0.01	0.0002	5.5555	0.0194	5.5555	1.8023	-0.0413	0.0098	-0.0133	-0.2373	0.3220	0.3220	0.3220	0.3220
15	15.54	-0.01	0.00195	5.5555	0.0205	5.5555	1.0331	0.0140	0.0122	0.0056	0.6713	0.4000	0.4000	0.4000	0.4000
16	17.46	-0.01	0.0040	5.5555	0.0142	5.5555	1.5778	0.0723	0.0124	0.0284	0.1704	0.3528	0.3528	0.3528	0.3528
17	19.32	-0.02	0.0005	5.5555	0.0105	5.5555	12.1111	0.1549	0.0114	0.0623	0.0768	0.4022	0.4022	0.4022	0.4022
18	21.22	-0.03	0.0051	5.5555	0.0137	5.5555	1.5055	0.2134	0.0144	0.0849	0.0675	0.3578	0.3578	0.3578	0.3578
19	23.13	-0.03	0.0052	5.5555	0.0121	5.5555	1.3152	0.2930	0.0154	0.1144	0.0526	0.3504	0.3504	0.3504	0.3504
20	25.00	-0.03	0.0032	5.5555	0.0094	5.5555	-2.0250	0.3593	0.0175	0.1347	0.0481	0.3749	0.3749	0.3749	0.3749
21	26.94	0.00	0.0256	5.5555	0.0177	5.5555	0.6914	0.3172	0.0242	0.1194	0.0763	0.3764	0.3764	0.3764	0.3764
22	27.89	0.03	0.0255	5.5555	0.0195	5.5555	0.7804	0.3138	0.0253	0.1190	0.0806	0.3792	0.3792	0.3792	0.3792
23	28.01	0.04	0.0384	5.5555	0.0251	5.5555	0.6596	0.3192	0.0284	0.1225	0.0827	0.3838	0.3838	0.3838	0.3838
24	28.37	0.05	0.0400	5.5555	0.0314	5.5555	0.6464	0.3180	0.0271	0.1226	0.0850	0.3848	0.3848	0.3848	0.3848
25	28.69	0.03	0.0351	5.5555	0.0284	5.5555	0.6752	0.3267	0.0274	0.1251	0.0839	0.3825	0.3825	0.3825	0.3825
26	28.97	0.05	0.0414	5.5555	0.0281	5.5555	0.5928	0.3402	0.0279	0.1251	0.0820	0.3795	0.3795	0.3795	0.3795
27	29.28	0.05	0.0447	5.5555	0.0274	5.5555	0.6150	0.3606	0.0279	0.1359	0.0774	0.3755	0.3755	0.3755	0.3755
28	29.57	0.06	0.0415	5.5555	0.0200	5.5555	0.6340	0.3535	0.0283	0.1342	0.0800	0.3752	0.3752	0.3752	0.3752
29	29.85	0.06	0.0476	5.5555	0.0277	5.5555	0.5819	0.3814	0.0284	0.1429	0.0745	0.3741	0.3741	0.3741	0.3741
30	30.13	0.05	0.0422	5.5555	0.0245	5.5555	0.5500	0.3596	0.0284	0.1478	0.0723	0.3699	0.3699	0.3699	0.3699
31	30.38	0.07	0.0422	5.5555	0.0235	5.5555	0.5509	0.3994	0.0292	0.1467	0.0731	0.3673	0.3673	0.3673	0.3673
32	30.68	0.06	0.0445	5.5555	0.0250	5.5555	0.5746	0.4147	0.0295	0.1502	0.0711	0.3622	0.3622	0.3622	0.3622
33	30.94	0.06	0.0400	5.5555	0.0235	5.5555	0.5711	0.4253	0.0298	0.1540	0.0701	0.3621	0.3621	0.3621	0.3621
34	31.23	0.06	0.0455	5.5555	0.0222	5.5555	0.5020	0.4303	0.0296	0.1582	0.0678	0.3626	0.3626	0.3626	0.3626
35	31.50	0.07	0.0476	5.5555	0.0277	5.5555	0.5819	0.4517	0.0298	0.1634	0.0660	0.3617	0.3617	0.3617	0.3617
36	31.77	0.06	0.0344	5.5555	0.0304	5.5555	0.5300	0.4540	0.0295	0.1622	0.0655	0.3573	0.3573	0.3573	0.3573
37	32.05	0.07	0.0481	5.5555	0.0275	5.5555	0.5965	0.4593	0.0300	0.1630	0.0653	0.3549	0.3549	0.3549	0.3549
38	32.29	0.07	0.0365	5.5555	0.0332	5.5555	0.5835	0.4470	0.0294	0.1771	0.0551	0.3563	0.3563	0.3563	0.3563
39	32.56	0.08	0.0447	5.5555	0.0260	5.5555	0.5796	0.5031	0.0294	0.1799	0.0584	0.3576	0.3576	0.3576	0.3576
40	32.83	0.08	0.0542	5.5555	0.0314	5.5555	0.5793	0.4403	0.0299	0.1727	0.0610	0.3522	0.3522	0.3522	0.3522
41	33.03	0.05	0.0505	5.5555	0.0326	5.5555	0.5729	0.4575	0.0307	0.1617	0.0670	0.3531	0.3531	0.3531	0.3531
42	33.33	0.06	0.0505	5.5555	0.0320	5.5555	0.5706	0.4702	0.0308	0.1644	0.0655	0.3494	0.3494	0.3494	0.3494
43	33.58	0.08	0.0555	5.5555	0.0320	5.5555	0.5706	0.4810	0.0308	0.1888	0.0640	0.3503	0.3503	0.3503	0.3503
44	33.85	0.06	0.0555	5.5555	0.0298	5.5555	0.5589	0.4721	0.0313	0.1627	0.0663	0.3446	0.3446	0.3446	0.3446
45	34.09	0.07	0.0404	5.5555	0.0255	5.5555	0.6411	0.4686	0.0317	0.1603	0.0676	0.3421	0.3421	0.3421	0.3421
46	34.32	0.04	0.0351	5.5555	0.0252	5.5555	0.6445	0.4777	0.0318	0.1609	0.0666	0.3368	0.3368	0.3368	0.3368

PAGE 3 OF 3
 SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART	MACH	ALIC-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	1.41	0.90	1.0	0.0	BLUP14	C.C	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNF3	LM3	Co3	ACPF3	YCPF3	CNF4	CH4	C84	XCPF4	YCPF4
47	34.58	0.04	0.0455	5.5555	0.0274	5.5555	0.5529	0.4714	0.0320	0.1600	0.0679	0.3394
48	34.82	0.04	0.0501	5.5555	0.0277	5.5555	0.5529	0.4821	0.0321	0.1613	0.0666	0.3346
49	35.07	0.03	0.0415	5.5555	0.0233	5.5555	0.5501	0.4885	0.0328	0.1606	0.0671	0.3285
50	35.24	0.03	0.0473	5.5555	0.0253	5.5555	0.5549	0.4416	0.0328	0.1620	0.0667	0.3255
51	35.34	0.02	0.0322	5.5555	0.0235	5.5555	0.6491	0.4404	0.0332	0.1601	0.0677	0.3265
52	35.78	0.00	0.0254	5.5555	0.0148	5.5555	0.7195	0.3018	0.0344	0.1624	0.0685	0.3248
53	36.01	0.02	0.0322	5.5555	0.0205	5.5555	0.6491	0.3201	0.0346	0.1677	0.0665	0.3224
54	36.24	0.01	0.0222	5.5555	0.0223	5.5555	0.6448	0.3167	0.0350	0.1676	0.0677	0.3244
55	36.48	0.05	0.0444	5.5555	0.0272	5.5555	0.6126	0.3375	0.0361	0.1756	0.0672	0.3267
56	36.70	0.02	0.0280	5.5555	0.0218	5.5555	0.7114	0.3201	0.0362	0.1727	0.0685	0.3270
57	36.96	0.03	0.0308	5.5555	0.0212	5.5555	0.6853	0.3438	0.0348	0.1767	0.0640	0.3251
58	37.29	0.01	0.0321	5.5555	0.0230	5.5555	0.7105	0.3446	0.0370	0.1786	0.0690	0.3275
59	37.42	0.01	0.0320	5.5555	0.0240	5.5555	0.7500	0.3521	0.0379	0.1743	0.0712	0.3276
60	37.60	0.05	0.0293	5.5555	0.0231	5.5555	0.6123	0.3417	0.0374	0.1783	0.0690	0.3291
61	37.60	0.05	0.0275	5.5555	0.0242	5.5555	0.3874	0.3577	0.0368	0.1835	0.0656	0.3297
62	38.18	0.02	0.0373	5.5555	0.0293	5.5555	0.7855	0.3729	0.0387	0.1850	0.0641	0.3299
63	38.43	0.02	0.0315	5.5555	0.0262	5.5555	0.6213	0.3769	0.0376	0.1906	0.0652	0.3304
64	38.65	0.03	0.0333	5.5555	0.0257	5.5555	0.7710	0.4183	0.0382	0.2039	0.0585	0.3298
65	38.87	0.02	0.0318	5.5555	0.0272	5.5555	0.6553	0.3926	0.0378	0.1962	0.0638	0.3311
66	39.10	0.02	0.0237	5.5555	0.0233	5.5555	0.4031	0.4034	0.0355	0.2130	0.0552	0.3311
67	39.32	0.01	0.0237	5.5555	0.0233	5.5555	0.4031	0.4036	0.0362	0.2156	0.0554	0.3299
68	39.52	0.02	0.0277	5.5555	0.0250	5.5555	0.4314	0.4075	0.0371	0.2101	0.0564	0.3287
69	39.75	0.02	0.0223	5.5555	0.0232	5.5555	1.0434	0.6630	0.0375	0.2178	0.0572	0.3285
70	39.98	0.00	0.0210	5.5555	0.0220	5.5555	1.0702	0.6793	0.0380	0.2238	0.0535	0.3295
71	40.14	0.00	0.0205	5.5555	0.0242	5.5555	1.1579	0.6571	0.0357	0.2161	0.0604	0.3285
72	40.38	0.00	0.0185	5.5555	0.0212	5.5555	1.2544	0.6738	0.0375	0.2226	0.0562	0.3304
73	40.55	0.01	0.0251	5.5555	0.0229	5.5555	0.9124	0.6636	0.0352	0.2187	0.0591	0.3256
74	40.78	0.00	0.0251	5.5555	0.0225	5.5555	0.9124	0.6672	0.0384	0.2259	0.0555	0.3287
75	40.97	0.03	0.0156	5.5555	0.0230	5.5555	1.1735	0.7164	0.0356	0.2378	0.0495	0.3310
76	41.17	0.01	0.0155	5.5555	0.0227	5.5555	1.4045	0.7204	0.0371	0.2372	0.0515	0.3293
77	41.38	0.00	0.0141	5.5555	0.0231	5.5555	1.6383	0.6583	0.0426	0.2168	0.0652	0.3303
78	41.59	0.02	0.0164	5.5555	0.0217	5.5555	1.2340	0.6704	0.0412	0.2237	0.0607	0.3295
79	41.75	0.02	0.0183	5.5555	0.0218	5.5555	1.1913	0.7036	0.0390	0.2336	0.0554	0.3320
80	41.93	0.01	0.0277	5.5555	0.0264	5.5555	1.9711	0.6959	0.0411	0.2293	0.0591	0.3298
81	42.13	0.01	0.0142	5.5555	0.0210	5.5555	1.4785	0.7412	0.0379	0.2434	0.0511	0.3284
82	42.37	0.00	0.0305	5.5555	0.0260	5.5555	0.8525	0.6572	0.0456	0.2156	0.0654	0.3284
83	42.54	0.02	0.0305	5.5555	0.0288	5.5555	0.8721	0.6665	0.0456	0.2193	0.0684	0.3290
84	42.72	0.02	0.0155	5.5555	0.0227	5.5555	1.4045	0.6275	0.0465	0.2063	0.0773	0.3288
85	42.90	0.01	0.0250	5.5555	0.0287	5.5555	1.0080	0.6576	0.0464	0.2151	0.0706	0.3271
86	43.06	0.01	0.0185	5.5555	0.0234	5.5555	1.3046	0.6658	0.0473	0.2174	0.0710	0.3273
87	43.28	0.01	0.0306	5.5555	0.0260	5.5555	0.6853	0.5569	0.0489	0.2136	0.0745	0.3252
88	43.40	0.01	0.0252	5.5555	0.0271	5.5555	0.9281	0.6617	0.0486	0.2156	0.0734	0.3258
89	43.62	0.02	0.0224	5.5555	0.0238	5.5555	1.0625	0.6542	0.0463	0.2248	0.0667	0.3238
90	43.82	0.01	0.0251	5.5555	0.0257	5.5555	1.0239	0.6501	0.0459	0.2126	0.0760	0.3246
91	43.93	0.00	0.0238	5.5555	0.0234	5.5555	0.9332	0.7147	0.0450	0.2314	0.0630	0.3236
92	44.17	0.00	0.0300	5.5555	0.0293	5.5555	0.8139	0.7054	0.0470	0.2212	0.0666	0.3221

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	FXIC-6	PHI	CNCF	L	DEL1	DEL2	CEL3	CEL4	TRANSITION		
7	141	0.90	1.7	0.0	0.14	0.0	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNCF	CM3	CB3	PCPF3	YCPF3	LCNF4	CM4	CE4	XCPF4	YCPF4
93	44.38	-0.02	0.0252	5.9999	0.0271	5.9999	0.9281	0.0316	0.0500	0.2153	0.0733	0.3217
94	44.53	-0.00	0.0165	5.9999	0.0234	5.9999	1.3046	0.0938	0.0476	0.2245	0.0664	0.3232
95	44.75	-0.01	0.0234	5.9999	0.0265	5.9999	0.8054	0.0789	0.0516	0.2166	0.0760	0.3190
96	44.90	0.00	0.0165	5.9999	0.0225	5.9999	1.3300	0.7207	0.0472	0.2307	0.0655	0.3201
97	45.10	0.03	0.0235	5.9999	0.0235	5.9999	0.9633	0.7080	0.0492	0.2253	0.0655	0.3182
98	45.27	-0.01	0.0253	5.9999	0.0242	5.9999	0.9300	0.6791	0.0522	0.2156	0.0769	0.3175
99	45.43	-0.02	0.0252	5.9999	0.0258	5.9999	1.0238	0.6742	0.0526	0.2141	0.0780	0.3176
100	45.63	-0.01	0.0252	5.9999	0.0247	5.9999	0.9302	0.7111	0.0507	0.2244	0.0713	0.3156
101	45.81	-0.01	0.0143	5.9999	0.0211	5.9999	1.4755	0.7203	0.0507	0.2257	0.0704	0.3133
102	45.99	0.01	0.0252	5.9999	0.0252	5.9999	1.0000	0.7072	0.0517	0.2204	0.0731	0.3117
103	46.17	0.02	0.0417	5.9999	0.0258	5.9999	0.7146	0.7047	0.0525	0.2205	0.0751	0.3125
104	46.35	-0.01	0.0254	5.9999	0.0240	5.9999	0.8163	0.6864	0.0547	0.2144	0.0797	0.3124
105	46.56	-0.01	0.0261	5.9999	0.0222	5.9999	0.7900	0.7470	0.0520	0.2291	0.0656	0.3087
106	46.71	-0.02	0.0345	5.9999	0.0250	5.9999	0.7604	0.6703	0.0556	0.2100	0.0829	0.3133
107	46.87	0.01	0.0142	5.9999	0.0272	5.9999	0.7514	0.6556	0.0545	0.2173	0.0783	0.3123
108	47.05	-0.01	0.0152	5.9999	0.0205	5.9999	1.0353	0.6610	0.0501	0.2106	0.0824	0.3093
109	47.23	-0.00	0.0369	5.9999	0.0275	5.9999	0.7172	0.6941	0.0551	0.2146	0.0794	0.3095
110	47.41	-0.00	0.0336	5.9999	0.0226	5.9999	0.6726	0.6902	0.0562	0.2136	0.0814	0.3086
111	47.56	-0.00	0.0350	5.9999	0.0268	5.9999	0.6372	0.7018	0.0550	0.2171	0.0784	0.3093
112	47.74	-0.01	0.0404	5.9999	0.0255	5.9999	0.6411	0.6776	0.0556	0.2105	0.0835	0.3107
113	47.90	0.01	0.0351	5.9999	0.0236	5.9999	0.6036	0.7067	0.0545	0.2169	0.0765	0.3085
114	48.09	0.04	0.0323	5.9999	0.0205	5.9999	0.6471	0.7115	0.0546	0.2166	0.0770	0.3072
115	48.27	-0.02	0.0262	5.9999	0.0184	5.9999	0.6525	0.7292	0.0556	0.2190	0.0765	0.3063
116	48.43	-0.02	0.0352	5.9999	0.0214	5.9999	0.5954	0.7262	0.0557	0.2193	0.0767	0.3020
117	48.59	0.01	0.0351	5.9999	0.0230	5.9999	0.5862	0.7064	0.0551	0.2078	0.0837	0.2962
118	48.77	0.02	0.0377	5.9999	0.0224	5.9999	0.5942	0.7405	0.0550	0.2252	0.0737	0.3017
119	48.95	0.00	0.0337	5.9999	0.0204	5.9999	0.6353	0.7268	0.0566	0.2125	0.0806	0.2924
120	49.11	-0.01	0.0263	5.9999	0.0157	5.9999	0.5546	0.6899	0.0605	0.2040	0.0677	0.2957
121	49.31	0.05	0.0415	5.9999	0.0227	5.9999	0.5416	0.7978	0.0535	0.2366	0.0676	0.2962
122	49.49	0.00	0.0375	5.9999	0.0152	5.9999	0.5006	0.7695	0.0547	0.2279	0.0711	0.2962
123	49.67	0.04	0.0502	5.9999	0.0212	5.9999	0.4223	0.8003	0.0425	0.2358	0.0531	0.2956
124	49.86	0.02	0.0475	5.9999	0.0215	5.9999	0.4526	0.7143	0.0544	0.2066	0.0761	0.2892
125	50.05	0.03	0.0475	5.9999	0.0194	5.9999	0.4064	0.7272	0.0580	0.2110	0.0757	0.2902
126	50.24	0.01	0.0503	5.9999	0.0191	5.9999	0.3757	0.6943	0.0604	0.2014	0.0870	0.2901
127	50.39	0.03	0.0556	5.9999	0.0221	5.9999	0.3975	0.6919	0.0618	0.2002	0.0893	0.2893
128	50.55	0.07	0.0556	5.9999	0.0232	5.9999	0.4173	0.6913	0.0626	0.2005	0.0905	0.2906
129	50.73	0.02	0.0530	5.9999	0.0156	5.9999	0.3736	0.6818	0.0631	0.1968	0.0933	0.2888
130	50.91	0.03	0.0550	5.9999	0.0232	5.9999	0.4180	0.6763	0.0647	0.1967	0.0957	0.2908
131	51.05	0.05	0.0556	5.9999	0.0221	5.9999	0.3975	0.6760	0.0650	0.1939	0.0964	0.2877
132	51.24	0.04	0.0565	5.9999	0.0217	5.9999	0.3614	0.6646	0.0637	0.1921	0.0958	0.2850
133	51.43	0.03	0.0611	5.9999	0.0215	5.9999	0.3515	0.6708	0.0595	0.1927	0.0887	0.2873
134	51.59	0.03	0.0475	5.9999	0.0161	5.9999	0.3384	0.6516	0.0603	0.1861	0.0925	0.2886
135	51.77	0.04	0.0653	5.9999	0.0221	5.9999	0.3189	0.6633	0.0587	0.1868	0.0885	0.2842
136	51.95	0.07	0.0705	5.9999	0.0227	5.9999	0.3220	0.6505	0.0534	0.1844	0.0889	0.2816
137	52.10	0.08	0.0676	5.9999	0.0257	5.9999	0.3802	0.6695	0.0573	0.1825	0.0856	0.2816
138	52.28	0.05	0.0651	5.9999	0.0234	5.9999	0.3594	0.6762	0.0572	0.1844	0.0843	0.2807

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
-SHEET- 4 OF 4

MARTIN MISSILE TAILS EFFECTS CATA

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PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIS-6			PHI	CONF	CEL1	CEL2	CEL3	CEL4	TRANSITION		
1 142 1.00 1.7			C.C. DINOPIA	0.0	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CN	CLM	CV	CLL	CLL	CA	CAF	CAF	XCP
1	-5.82	-0.00	-1.9539	6.9861	-0.0168	0.0003	-0.0044	0.8303	0.2319	0.5984	-3.5037
2	-5.81	0.01	-2.0150	6.9933	0.0035	-0.0412	-0.0044	0.8214	0.2301	0.5913	-3.4705
3	-5.81	0.02	-2.0024	6.5591	0.0525	-0.0857	-0.0043	0.8229	0.2236	0.5943	-3.4553
4	-5.81	0.02	-2.0146	7.0007	0.0645	-0.0970	-0.0043	0.8198	0.2301	0.5897	-3.4786
5	-5.20	0.02	-1.8012	6.5260	0.0410	-0.0743	-0.0040	0.8050	0.2225	0.5825	-3.6234
6	-3.30	0.01	-1.9067	5.6315	0.0035	-0.0321	0.0023	0.7610	0.2091	0.5925	-3.6095
7	-1.61	0.02	-1.2408	5.1923	0.0430	-0.0406	0.0027	0.7052	0.1836	0.5216	-4.1893
8	0.25	0.01	-0.9711	4.5008	-0.0315	-0.0280	0.0030	0.6476	0.1641	0.4836	-4.7377
9	2.07	0.01	-0.7031	4.0053	-0.0033	-0.0703	0.0036	0.6061	0.1576	0.4465	-5.6568
10	3.90	0.02	-0.4472	3.4407	0.0532	-0.0777	0.0041	0.5504	0.1553	0.4031	-7.7112
11	5.75	0.01	-0.1772	2.9247	-0.0068	-0.0320	0.0046	0.5196	0.1549	0.3647	-16.5056
12	7.64	0.01	0.0910	2.4028	0.0161	-0.0640	0.0052	0.4091	0.1501	0.3131	20.3912
13	9.44	0.02	0.3751	1.9377	0.0438	-0.0283	0.0117	0.4374	0.1601	0.2773	5.1660
14	11.30	0.01	0.6630	1.4955	-0.0030	0.0207	0.0060	0.4076	0.1650	0.2420	2.1542
15	13.20	0.01	0.9464	1.1037	-0.0036	0.0267	0.0074	0.3906	0.1720	0.2180	1.2476
16	15.11	0.01	1.2254	0.9037	-0.0323	0.1907	0.0137	0.3610	0.1772	0.1836	0.7030
17	17.08	0.00	1.5537	0.7575	-0.1010	0.4776	0.0199	0.3278	0.1647	0.1431	0.4530
18	19.00	-0.00	1.8005	0.5414	-0.1648	0.5547	0.0391	0.2896	0.1423	0.0973	0.2871
19	20.94	0.01	2.2925	0.3408	-0.1338	0.4327	0.0551	0.2480	0.1458	0.0462	0.1512
20	22.90	0.00	2.8355	0.2071	-0.1282	0.3122	-0.0106	0.1914	0.1434	-0.0020	0.1012
21	24.85	0.00	3.3944	0.4955	-0.0451	0.1832	-0.0070	0.1302	0.1573	-0.0451	0.1472
22	26.87	0.05	4.0882	0.6968	0.0520	-1.5521	0.0753	0.0900	0.1423	-0.0957	0.1709
23	28.01	0.08	4.3246	0.9421	0.8462	-1.9715	0.3545	0.0735	0.1546	-0.1211	0.1463
24	28.14	0.00	4.4218	0.6900	0.4557	-2.0622	0.0551	0.0740	0.1476	-0.1236	0.1580
25	28.31	0.07	4.5128	0.5006	0.5045	-2.0577	0.1015	0.0604	0.1563	-0.1355	0.1530
26	28.83	0.07	4.6010	0.7213	0.9947	-2.2442	0.1159	0.0501	0.1607	-0.1410	0.1507
27	29.10	0.07	4.6540	0.7504	0.9822	-2.0697	0.1025	0.0529	0.1573	-0.1444	0.1611
28	29.42	0.07	4.8153	0.9062	0.9182	-1.9102	0.0970	0.0594	0.1907	-0.1593	0.1882
29	29.71	0.07	4.9241	1.0509	0.9313	-1.9075	0.0917	0.0429	0.2007	-0.1578	0.2134
30	29.99	0.07	4.9032	0.9592	0.8004	-1.7060	0.0717	0.0372	0.1994	-0.1622	0.1917
31	30.26	0.06	5.1183	1.0766	0.8911	-1.9833	0.0925	0.0320	0.2036	-0.1716	0.2107
32	30.52	0.07	5.1401	1.0772	1.0190	-2.0837	0.0924	0.0303	0.2047	-0.1604	0.2096
33	30.82	0.05	5.2851	1.1350	1.1280	-2.3275	0.1357	0.0308	0.2074	-0.1766	0.2134
34	31.08	0.04	5.3012	1.0001	1.1004	-2.0539	0.1239	0.0297	0.2116	-0.1819	0.1992
35	31.37	0.08	5.4413	1.2050	1.1417	-2.4542	0.1008	0.0217	0.2079	-0.1862	0.2366
36	31.65	0.00	5.5010	1.3037	0.6010	-1.7248	0.0700	-0.0024	0.2070	-0.2094	0.2336
37	31.90	0.04	5.5750	1.4815	0.6219	-1.2503	0.0585	0.0024	0.2033	-0.2009	0.2658
38	32.18	0.05	5.7170	1.4775	0.7430	-1.3579	0.0050	-0.0130	0.2007	-0.2143	0.2584
39	32.43	0.02	5.7924	1.5374	0.3647	-0.6532	0.0006	-0.0175	0.1936	-0.2183	0.2654
40	32.70	0.03	5.8771	1.5157	0.4536	-0.6540	0.0353	-0.0037	0.1905	-0.2242	0.2579
41	32.95	0.02	5.9453	1.5040	0.3358	-0.4860	0.0353	-0.0350	0.1984	-0.2334	0.2528
42	33.22	0.02	6.1072	1.5935	0.3236	-0.5219	0.0410	-0.0442	0.1909	-0.2431	0.2527
43	33.46	0.03	6.1714	1.4250	0.2780	-0.2944	0.0299	-0.0400	0.2004	-0.2404	0.2309
44	33.71	0.02	6.2758	1.4715	0.3000	-0.8100	0.0543	-0.0509	0.2016	-0.2503	0.2344
45	33.97	0.04	6.3636	1.3715	0.5253	-1.0400	0.0846	-0.0491	0.2057	-0.2548	0.2148
46	34.22	0.04	6.4582	1.4154	0.5272	-0.8360	0.0070	-0.0041	0.2050	-0.2691	0.2192

PAGE 1 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 1.42 1.00 1.7			0.0	0.16014	0.0	-20	0	-20	UNKNOWN		
PLANT	ALPHA	BETA	LN	CLN	LY	CLL	CLL	CA	LAB	CAF	RCP
47	34.47	0.04	6.5675	1.5433	0.5871	-1.0568	0.0055	-0.0627	0.2076	-0.2703	0.2350
48	34.71	0.04	6.6151	1.5510	0.5935	-1.0708	0.0794	-0.0671	0.2084	-0.2759	0.2345
49	34.97	0.06	6.7377	1.4577	0.7263	-1.2267	0.0963	-0.0656	0.2077	-0.2773	0.2223
50	35.20	0.05	6.8500	1.4816	0.6336	-1.2050	0.1104	-0.0708	0.2088	-0.2796	0.2163
51	35.43	0.05	6.9020	1.5065	0.6402	-1.2804	0.0990	-0.0750	0.2107	-0.2857	0.2256
52	35.65	0.06	7.0181	1.4244	0.7610	-1.3502	0.1112	-0.0892	0.2095	-0.2988	0.2030
53	35.93	0.06	7.0772	1.0216	0.7252	-1.3536	0.0940	-0.0813	0.2098	-0.2912	0.2291
54	36.15	0.04	7.1670	1.5513	0.5941	-0.9345	0.0761	-0.1044	0.2026	-0.3070	0.2220
55	36.40	0.04	7.2564	1.5764	0.5625	-1.2584	0.1004	-0.1020	0.2071	-0.3091	0.2175
56	36.64	0.05	7.3505	1.0360	0.5045	-1.0350	0.0769	-0.1160	0.2018	-0.3198	0.2234
57	36.86	0.06	7.4167	1.5583	0.7558	-1.4411	0.1015	-0.1016	0.2079	-0.3057	0.2155
58	37.13	0.06	7.5741	1.5650	0.6652	-1.1543	0.0903	-0.1009	0.1995	-0.3064	0.2066
59	37.34	0.04	7.5321	1.0523	0.4075	-0.5275	0.0599	-0.1051	0.1980	-0.3051	0.2152
60	37.56	0.04	7.6631	1.0270	0.5420	-1.1795	0.0791	-0.1023	0.1984	-0.3067	0.2119
61	37.82	0.05	7.6160	1.5835	0.6131	-1.2250	0.0579	-0.1490	0.1960	-0.3456	0.2026
62	38.05	0.04	7.9340	1.5060	0.4645	-0.5863	0.0502	-0.1541	0.2035	-0.3544	0.1901
63	38.27	0.07	7.8656	1.4548	0.7550	-1.3351	0.0687	-0.1547	0.1975	-0.3526	0.1876
64	38.51	0.05	8.0035	1.4543	0.5016	-0.8858	0.0380	-0.1640	0.1809	-0.3525	0.1804
65	38.73	0.05	8.0512	1.5053	0.5233	-1.1003	0.0325	-0.1744	0.1914	-0.3658	0.1940
66	38.95	0.05	8.1606	1.4445	0.5085	-1.0227	0.0514	-0.1672	0.1910	-0.3602	0.1766
67	39.16	0.04	8.2410	1.4431	0.4152	-1.0280	0.0339	-0.1761	0.1891	-0.3652	0.1751
68	39.39	0.05	8.3409	1.4516	0.5052	-1.2805	0.0504	-0.1832	0.1913	-0.3745	0.1777
69	39.58	0.06	8.4560	1.5423	0.6035	-1.2553	0.0587	-0.1782	0.1897	-0.3675	0.1587
70	39.81	0.06	8.5320	1.5034	0.7296	-1.2500	0.0550	-0.1824	0.1901	-0.3725	0.1621
71	40.01	0.06	8.6100	1.2541	0.6378	-1.2697	0.0533	-0.1979	0.1912	-0.3891	0.1457
72	40.20	0.04	8.6112	1.5272	0.4545	-1.1790	0.0295	-0.2008	0.1801	-0.3889	0.1541
73	40.42	0.06	8.7031	1.2871	0.6577	-1.3268	0.0659	-0.2052	0.1899	-0.3951	0.1465
74	40.61	0.05	8.8455	1.1760	0.5345	-1.1429	0.0657	-0.2114	0.1800	-0.3994	0.1333
75	40.84	0.05	8.9030	1.2544	0.5757	-1.4533	0.0427	-0.2274	0.1887	-0.4161	0.1409
76	41.05	0.04	9.0411	1.0260	0.4381	-1.2670	0.0488	-0.2260	0.1804	-0.4144	0.1380
77	41.24	0.04	9.0583	1.2162	0.5317	-1.3760	0.0375	-0.2163	0.1924	-0.4087	0.1337
78	41.40	0.04	9.1636	1.1371	0.5157	-1.4112	0.0315	-0.2204	0.1874	-0.4138	0.1241
79	41.64	0.03	9.2205	1.2503	0.5060	-1.3700	0.0339	-0.2292	0.1854	-0.4186	0.1356
80	41.84	0.04	9.2347	1.3213	0.5057	-1.3532	0.0362	-0.2230	0.1943	-0.4179	0.1437
81	42.04	0.05	9.3780	1.2167	0.6165	-1.2296	0.0503	-0.2421	0.1912	-0.4333	0.1297
82	42.32	0.04	9.5752	1.1550	0.5253	-1.4200	0.0452	-0.2408	0.1890	-0.4304	0.1211
83	42.50	0.04	9.5883	1.3102	0.5750	-0.8875	0.0801	-0.2405	0.1897	-0.4302	0.1370
84	42.60	0.04	9.6351	1.3067	0.4505	-1.1191	0.0609	-0.2359	0.1885	-0.4244	0.1441
85	42.86	0.04	9.6356	1.3153	0.5345	-1.1420	0.0689	-0.2407	0.1906	-0.4315	0.1365
86	43.04	0.02	9.7474	1.2441	0.4545	-1.4406	0.0577	-0.2349	0.1944	-0.4243	0.1274
87	43.22	0.04	9.7501	1.2524	0.6355	-1.4474	0.0590	-0.2360	0.1923	-0.4303	0.1284
88	43.41	0.04	9.8346	1.1501	0.6300	-1.2913	0.0696	-0.2412	0.1972	-0.4304	0.1169
89	43.59	0.03	9.9470	1.3451	0.4475	-0.5557	0.0876	-0.2436	0.1929	-0.4365	0.1352
90	43.75	0.05	9.9355	1.1574	0.6341	-1.5401	0.0705	-0.2303	0.1952	-0.4335	0.1205
91	43.95	0.05	10.0365	1.2552	0.7265	-1.6750	0.0654	-0.2358	0.2011	-0.4365	0.1255
92	44.11	0.02	10.1522	1.3141	0.4602	-1.0509	0.0805	-0.2403	0.1902	-0.4425	0.1295

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

FLINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	NLP
93	44.32	0.03	10.2530	1.1372	0.6456	-1.4987	0.0776	-0.2487	0.2024	-0.4511	0.1109
94	44.50	0.04	10.2516	1.2230	0.6300	-0.8535	0.1003	-0.2410	0.1982	-0.4352	0.1156
95	44.69	0.03	10.3044	1.2600	0.5430	-1.0265	0.0632	-0.2465	0.1962	-0.4447	0.1250
96	44.68	0.04	10.4332	1.1850	0.7235	-1.4530	0.0725	-0.2469	0.2012	-0.4481	0.1136
97	45.06	0.02	10.5147	1.2547	0.4634	-0.4075	0.1306	-0.2370	0.2031	-0.4401	0.1231
98	45.25	0.02	10.6755	1.1355	0.6002	-1.4541	0.0732	-0.2460	0.2032	-0.4452	0.1087
99	45.42	0.01	10.6380	1.1735	0.4478	-1.1104	0.0701	-0.2423	0.1991	-0.4414	0.1103
100	45.61	0.02	10.6038	1.1704	0.4125	-0.9269	0.0808	-0.2367	0.2030	-0.4357	0.1077
101	45.78	0.01	10.6265	1.1400	0.3658	-0.6642	0.0902	-0.2474	0.1995	-0.4473	0.1053
102	45.95	0.02	10.6960	1.3210	0.4450	-0.4060	0.0903	-0.2619	0.2044	-0.4663	0.1213
103	46.14	0.01	10.5655	1.0763	0.3510	-0.3635	0.0961	-0.2615	0.2057	-0.4672	0.0981
104	46.31	0.01	10.5662	1.3220	0.2288	0.3592	0.0995	-0.2404	0.2125	-0.4529	0.1207
105	46.47	0.02	10.6381	1.6053	0.2766	0.6560	0.0968	-0.1994	0.2321	-0.4315	0.1650
106	46.66	0.01	11.0422	1.2045	0.2755	-0.0675	0.0955	-0.2518	0.2155	-0.4657	0.1051
107	46.84	0.02	11.1152	1.3053	0.4721	0.5487	0.0932	-0.2347	0.2267	-0.4615	0.1228
108	47.00	-0.00	11.1362	1.3553	0.1201	0.8707	0.0870	-0.1972	0.2570	-0.4542	0.1362
109	47.16	0.01	11.1244	1.4005	0.2026	0.7404	0.0373	-0.1438	0.2685	-0.4421	0.1313
110	47.36	0.01	11.1551	1.4522	0.3642	0.5058	0.0819	-0.1735	0.2672	-0.4407	0.1302
111	47.55	0.01	11.5147	0.5670	0.4054	0.8226	0.0755	-0.1949	0.3360	-0.5309	0.0452
112	47.71	0.01	11.6451	-0.1221	0.3200	0.9000	0.0752	-0.1952	0.3357	-0.5319	-0.0056
113	47.90	0.05	11.8770	-0.3125	0.6401	1.5219	0.0201	-0.0989	0.3785	-0.4773	-0.0772
114	48.06	0.01	11.8040	-0.0055	0.2932	1.3456	0.0447	-0.1241	0.3645	-0.5066	-0.0513
115	48.26	0.04	12.2427	-1.7224	0.5175	1.5526	0.0093	-0.0871	0.4058	-0.4530	-0.1407
116	48.46	0.04	12.2625	-1.6321	0.5732	1.6876	0.0060	-0.0806	0.4032	-0.4696	-0.1508
117	48.63	0.02	12.4723	-1.9354	0.3643	1.9434	0.0147	-0.0713	0.4003	-0.4716	-0.1555
118	48.80	0.05	12.5356	-2.1361	0.6385	2.0003	0.0061	-0.1015	0.4026	-0.5045	-0.1704
119	48.99	0.03	12.5456	-1.7565	0.4365	1.9163	0.0090	-0.1125	0.3928	-0.5051	-0.1556
120	49.15	0.01	12.6622	-1.9466	0.3123	2.0100	0.0034	-0.1544	0.3717	-0.5261	-0.1539
121	49.32	0.01	12.8623	-1.9206	0.3405	2.1568	0.0086	-0.1173	0.3777	-0.4750	-0.1517
122	49.51	0.00	12.8270	-1.9770	0.2553	1.4853	0.0042	-0.1550	0.3557	-0.5167	-0.1541
123	49.70	-0.00	12.9310	-2.0951	0.3056	1.7512	-0.0083	-0.1770	0.3501	-0.5271	-0.1589
124	49.87	0.01	13.0069	-2.0627	0.3524	1.9200	-0.0066	-0.1666	0.3546	-0.5212	-0.1586
125	50.04	0.01	13.0505	-2.0211	0.3583	1.8052	-0.0119	-0.1627	0.3617	-0.5244	-0.1549
126	50.23	0.03	13.2072	-2.1150	0.5525	1.5742	0.0007	-0.1450	0.3696	-0.5146	-0.1601
127	50.40	-0.01	13.2105	-2.1553	0.1352	1.7657	-0.0050	-0.1259	0.3746	-0.5003	-0.1631
128	50.57	-0.03	13.2463	-2.2532	0.0015	1.8172	-0.0106	-0.1577	0.3726	-0.5305	-0.1701
129	50.73	-0.02	13.2412	-2.2605	0.1812	1.7235	-0.0028	-0.1128	0.3736	-0.4884	-0.1707
130	50.88	0.01	13.1003	-2.0807	0.4574	1.0870	0.0142	-0.1544	0.3736	-0.5260	-0.1588
131	51.06	-0.00	13.0872	-2.0440	0.3317	1.0298	0.0147	-0.1450	0.3676	-0.5126	-0.1562
132	51.18	0.02	12.8654	-1.4971	0.5544	0.6855	0.0016	-0.1545	0.3605	-0.5154	-0.1162
133	51.35	0.01	12.8961	-1.4603	0.4558	0.6743	0.0563	-0.1584	0.3665	-0.5253	-0.1132
134	51.53	0.00	12.9878	-1.3955	0.4387	0.6535	0.0083	-0.1545	0.3634	-0.5179	-0.1060
135	51.69	0.00	12.9852	-1.4462	0.3575	0.8930	0.0078	-0.1601	0.3690	-0.5291	-0.1115
136	51.85	0.00	13.0030	-1.5213	0.4122	0.9015	0.0730	-0.1345	0.3728	-0.5071	-0.1163
137	52.03	0.02	13.1134	-1.4165	0.5627	0.8670	0.0579	-0.1564	0.3698	-0.5262	-0.1080
138	52.19	-0.01	13.0763	-1.4056	0.1925	0.9602	0.0662	-0.1407	0.3700	-0.5195	-0.1078

PAGE 1 OF 3
 SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	FX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	1.42	1.00	1.7	U.C	BLINDF14	U.C	U	-20	U	-20 UNKNOWN	
PCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	LA	CAB	CAF	XCP
139	52.36	-0.00	12.9629	-1.4523	0.2596	0.8719	0.0622	-0.1460	0.3734	-0.5164	-0.1119
140	52.51	-0.05	13.0470	-1.3527	-0.1267	0.9805	0.0629	-0.1614	0.3679	-0.5253	-0.1040
141	52.70	-0.05	13.3040	-1.5044	-0.1308	1.1523	0.0632	-0.1239	0.3732	-0.4571	-0.1131
142	52.65	-0.03	13.0639	-1.2450	0.1303	0.9387	0.0570	-0.1315	0.3641	-0.4956	-0.0953
143	53.02	-0.02	13.1635	-1.3060	0.1442	0.9674	0.0572	-0.1501	0.3656	-0.5157	-0.0963
144	53.17	-0.01	13.1220	-1.2115	0.3217	0.8231	0.0573	-0.1306	0.3663	-0.4965	-0.0974
145	53.34	-0.02	13.2527	-1.4544	0.2163	0.9217	0.0573	-0.1774	0.3732	-0.5506	-0.1127
146	53.52	-0.02	13.3450	-1.4800	0.1556	0.9487	0.0514	-0.1485	0.3710	-0.5195	-0.1109
147	53.66	-0.01	13.3451	-1.5515	0.1356	0.8659	0.0522	-0.1731	0.3740	-0.5471	-0.1163
148	53.82	-0.01	13.3240	-1.5458	0.2040	0.9353	0.0517	-0.1633	0.3711	-0.5349	-0.1163
149	53.99	-0.01	13.4220	-1.5530	0.1521	0.8856	0.0525	-0.1687	0.3805	-0.5456	-0.1157
150	54.15	-0.00	13.4220	-1.5423	0.2000	0.8880	0.0533	-0.1695	0.3880	-0.5575	-0.1180
151	54.30	-0.01	13.5356	-1.6572	0.2054	0.7831	0.0530	-0.1639	0.3880	-0.5459	-0.1254
152	54.46	-0.04	13.5213	-1.6014	0.0452	0.7110	0.0536	-0.1393	0.3424	-0.5517	-0.1229
153	54.63	-0.02	13.6214	-1.8577	0.1653	0.6459	0.0539	-0.1575	0.3550	-0.5525	-0.1349
154	54.77	-0.02	13.6482	-1.7255	0.2110	0.5912	0.0484	-0.1581	0.3455	-0.5556	-0.1264
155	54.92	-0.02	13.5636	-1.6741	0.1711	0.5235	0.0542	-0.1445	0.4045	-0.5454	-0.1379
156	55.07	-0.03	13.6169	-1.7483	0.0777	0.6310	0.0542	-0.1517	0.4011	-0.5328	-0.1284
157	55.23	-0.04	13.6521	-1.8274	-0.0428	0.5632	0.0489	-0.1540	0.4101	-0.5041	-0.1341
158	55.38	-0.05	13.6626	-1.8915	0.0416	0.5553	0.0454	-0.1750	0.4006	-0.5884	-0.1385
159	55.54	-0.03	13.7701	-1.9147	0.1201	0.5176	0.0458	-0.1677	0.4104	-0.5581	-0.1350
160	55.71	-0.04	13.7062	-2.0307	0.0596	0.2736	0.0500	-0.1353	0.4108	-0.5521	-0.1482
161	55.88	-0.03	13.6602	-1.9084	0.0563	0.2607	0.0441	-0.1536	0.4161	-0.5657	-0.1357
162	56.02	-0.03	13.8360	-2.0721	0.0150	0.3160	0.0440	-0.1454	0.4151	-0.5685	-0.1458
163	56.17	-0.05	13.8354	-2.1578	-0.0116	0.3263	0.0446	-0.1426	0.4364	-0.5750	-0.1559
164	56.33	-0.04	13.8369	-2.0510	0.0457	0.3147	0.0445	-0.1452	0.4432	-0.5524	-0.1483
165	56.53	-0.06	14.2477	-1.8622	-0.1724	0.2850	0.0467	-0.2274	0.4188	-0.6462	-0.1141

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART WACH RX10-6												
7 142 1.00 1.7 C.C BLUFI4 C.C												
DEL1 DEL2 DEL3 DEL4 TRANSITION												
J -20 0 -20 UNKNOWN												
PCINT	ALPHA	BETA	CONF1	CONF	CONF	ALPHA1	YALPHA1	CONF2	CONF	CONF	YCONF2	
1	-5.52	-0.00	-0.0151	-0.0000	0.00205	0.0397	-1.3341	-0.0768	0.0195	-0.3371	-0.0222	0.3845
2	-5.01	0.01	-0.0175	-0.0000	0.0000	0.0457	-1.1771	-0.0740	0.0180	-0.3371	-0.0215	0.3857
3	-5.31	0.02	-0.0162	-0.0000	0.0000	0.0494	-1.2469	-0.0740	0.0138	-0.3371	-0.0215	0.3857
4	-5.01	0.02	-0.0135	-0.0000	0.0000	0.0504	-1.2408	-0.0720	0.0185	-0.3354	-0.0210	0.3844
5	-5.26	0.02	-0.0102	-0.0000	0.0000	0.0504	-1.2407	-0.0747	0.0213	-0.3205	-0.0263	0.3558
6	-3.36	0.01	-0.0150	-0.0010	0.0008	0.0007	-1.3307	-0.7107	0.0240	-0.3010	-0.0346	0.4244
7	-1.61	0.02	-0.0138	-0.0010	0.0000	0.0755	-1.4151	-0.0098	0.0257	-0.2055	-0.0421	0.4688
8	0.25	0.01	-0.0170	-0.0010	0.0000	0.0353	-0.9500	-0.5212	0.0244	-0.2020	-0.0460	0.5038
9	2.07	0.01	-0.0143	-0.0000	0.0000	0.0355	-1.0140	-0.4277	0.0236	-0.2264	-0.0552	0.5253
10	3.90	0.02	-0.0110	-0.0010	0.0000	0.0647	-1.2881	-0.3225	0.0210	-0.1965	-0.0676	0.6155
11	5.75	0.01	-0.0165	-0.0017	0.00187	0.0915	-1.0106	-0.2313	0.0187	-0.1631	-0.0608	0.7051
12	7.04	0.01	-0.0225	-0.0010	0.0000	0.0711	-0.9289	-0.1445	0.0162	-0.1205	-0.1121	0.8754
13	9.44	0.02	-0.0151	-0.0030	0.00297	0.1700	-1.5655	-0.0715	0.0142	-0.0924	-0.1580	1.2523
14	11.30	0.01	-0.0210	-0.0023	0.0000	0.1005	-1.1305	0.0031	0.0111	-0.0600	3.5002	-20.2581
15	13.20	0.01	-0.0331	-0.0020	0.00183	0.0705	-0.9224	0.0521	0.0117	-0.0600	0.2245	-0.7678
16	15.11	0.01	-0.0457	-0.0020	0.0010	0.0505	-0.8002	0.0000	0.0130	-0.0221	0.1407	-0.2454
17	17.08	0.00	-0.0565	-0.0021	0.00150	0.0365	-0.2636	0.1320	0.0138	-0.0000	0.1030	0.0015
18	19.00	-0.00	-0.0616	-0.0017	0.00030	0.0105	-0.0413	0.1720	0.0155	0.0155	0.0901	0.1154
19	20.94	0.01	-0.0645	-0.0005	-0.00032	0.0055	0.0377	0.2291	0.0150	0.0450	0.0001	0.1564
20	22.90	0.00	-0.0655	-0.0041	-0.00157	-0.0430	0.1047	0.2079	0.0157	0.0030	0.0545	0.2205
21	24.80	0.00	-0.0761	-0.0040	-0.00092	-0.0631	0.1205	0.3411	0.0165	0.0001	0.0484	0.2348
22	26.67	0.00	-0.0813	-0.0000	0.00111	-0.0204	0.0085	0.4381	0.0105	0.1155	0.0377	0.2636
23	28.01	0.00	-0.0845	-0.0003	0.00177	-0.0327	0.4690	0.4753	0.0153	0.1272	0.0322	0.2676
24	28.14	0.00	0.2545	-0.0073	0.1240	-0.0267	0.4704	0.4009	0.0100	0.1222	0.0355	0.2617
25	28.51	0.07	0.3770	-0.0010	0.1071	-0.0205	0.4432	0.5004	0.0145	0.1370	0.0258	0.2738
26	28.83	0.07	0.3307	-0.0000	0.1535	-0.0240	0.4054	0.4843	0.0105	0.1257	0.0337	0.2651
27	29.10	0.07	0.3034	-0.0000	0.1427	-0.0290	0.4703	0.4863	0.0176	0.1298	0.0360	0.2658
28	29.42	0.07	0.2071	-0.0000	0.1201	-0.0210	0.4483	0.4835	0.0142	0.1203	0.0357	0.2610
29	29.71	0.07	0.3188	-0.0070	0.1363	-0.0220	0.4336	0.4894	0.0180	0.1310	0.0380	0.2677
30	29.99	0.07	0.2705	-0.0054	0.1254	-0.0195	0.4528	0.4841	0.0200	0.1257	0.0413	0.2679
31	30.26	0.00	0.2818	-0.0015	0.1175	-0.0073	0.4503	0.4876	0.0205	0.1257	0.0415	0.2645
32	30.52	0.07	0.2535	-0.0013	0.1125	-0.0051	0.4454	0.4808	0.0205	0.1270	0.0425	0.2625
33	30.82	0.05	0.2365	-0.0048	0.1443	-0.0143	0.4268	0.5013	0.0200	0.1332	0.0395	0.2657
34	31.00	0.08	0.3473	-0.0044	0.1425	-0.0127	0.4270	0.5061	0.0205	0.1354	0.0395	0.2605
35	31.37	0.08	0.3062	-0.0005	0.1300	-0.0016	0.4272	0.5104	0.0230	0.1348	0.0451	0.2641
36	31.05	0.00	0.1005	-0.0041	0.0755	0.0227	0.4417	0.4905	0.0201	0.1251	0.0523	0.2588
37	31.90	0.04	0.2200	-0.0023	0.0588	0.0104	0.4379	0.5061	0.0211	0.1308	0.0538	0.2595
38	32.10	0.05	0.1075	-0.0023	0.0677	0.0123	0.4077	0.5061	0.0210	0.1330	0.0533	0.2620
39	32.43	0.02	0.0915	-0.0055	0.0467	0.0045	0.5104	0.5004	0.0200	0.1315	0.0555	0.2620
40	32.70	0.05	0.0954	-0.0057	0.0400	0.0547	0.4322	0.5000	0.0217	0.1354	0.0545	0.2662
41	32.95	0.02	0.0541	-0.0040	0.0350	0.0587	0.5050	0.5072	0.0278	0.1348	0.0548	0.2658
42	33.22	0.02	0.1147	-0.0000	0.0506	0.0052	0.4935	0.5000	0.0213	0.1352	0.0537	0.2661
43	33.46	0.03	-0.0000	-0.0057	0.0120	-0.0627	-1.4051	0.5038	0.0273	0.1349	0.0542	0.2678
44	33.71	0.00	0.0000	-0.0000	0.0000	0.0000	0.5000	0.5102	0.0209	0.1351	0.0521	0.2655
45	33.97	0.04	0.1257	-0.0017	0.0700	-0.0131	0.5397	0.5271	0.0267	0.1444	0.0506	0.2740
46	34.22	0.04	0.1555	-0.0023	0.0730	-0.0144	0.4577	0.5354	0.0201	0.1470	0.0487	0.2761

PAGE 2 OF 3
SHEET 2 OF 4

PART II MISSILE TAILS EFFECTS DATA

TEST PART MACH RAIC-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7			1.42	1.00	1.0	C.C. 310P14	C.O.	0	-20	0	-20	UNKNOWN
FLINT	ALPHA	BETA	CNF1	CH1	CL1	ALPFL1	YLPFL1	CNF2	CH2	CL2	XCPFL2	YCPFL2
47	34.57	0.04	0.1722	-0.0040	0.0845	-0.0267	0.4707	0.5256	0.0271	0.1448	0.0516	0.2755
48	34.71	0.04	0.1334	-0.0046	0.0734	-0.0360	0.5502	0.5214	0.0280	0.1429	0.0531	0.2741
49	34.97	0.06	0.1753	-0.0064	0.0925	-0.0365	0.5277	0.5351	0.0274	0.1455	0.0512	0.2754
50	35.20	0.05	0.2225	-0.0062	0.1063	-0.0271	0.4740	0.5432	0.0276	0.1523	0.0508	0.2604
51	35.43	0.05	0.2343	-0.0050	0.1015	-0.0246	0.4332	0.5512	0.0287	0.1542	0.0521	0.2758
52	35.65	0.06	0.2769	-0.0064	0.1230	-0.0231	0.4442	0.5022	0.0283	0.1543	0.0503	0.2616
53	35.93	0.06	0.2314	-0.0035	0.0917	-0.0151	0.4395	0.5592	0.0301	0.1561	0.0538	0.2751
54	36.15	0.04	0.1393	-0.0022	0.0752	-0.0158	0.5398	0.5521	0.0312	0.1552	0.0564	0.2608
55	36.40	0.04	0.2349	-0.0027	0.1060	-0.0115	0.4414	0.5715	0.0335	0.1618	0.0533	0.2626
56	36.64	0.05	0.1465	-0.0002	0.0754	-0.0114	0.5147	0.5677	0.0311	0.1602	0.0548	0.2622
57	36.86	0.06	0.2222	-0.0013	0.1022	-0.0057	0.4545	0.5620	0.0321	0.1588	0.0571	0.2626
58	37.13	0.06	0.1512	-0.0015	0.0707	-0.0099	0.5073	0.5708	0.0303	0.1633	0.0523	0.2621
59	37.34	0.04	0.1381	-0.0013	0.0710	-0.0094	0.5141	0.5731	0.0315	0.1624	0.0550	0.2634
60	37.56	0.04	0.1778	-0.0019	0.0845	-0.0107	0.4775	0.5839	0.0314	0.1606	0.0546	0.2653
61	37.82	0.05	0.1537	-0.0032	0.0746	-0.0206	0.4854	0.5963	0.0314	0.1708	0.0527	0.2664
62	38.05	0.04	0.1568	-0.0033	0.0762	-0.0210	0.4477	0.6005	0.0314	0.1707	0.0525	0.2643
63	38.27	0.07	0.1610	-0.0038	0.0768	-0.0224	0.4750	0.5934	0.0327	0.1651	0.0551	0.2650
64	38.51	0.05	0.1213	-0.0061	0.0590	-0.0303	0.4404	0.6224	0.0300	0.1601	0.0455	0.2644
65	38.73	0.05	0.1357	-0.0057	0.0684	-0.0420	0.4493	0.6077	0.0328	0.1742	0.0536	0.2667
66	38.93	0.05	0.1117	-0.0070	0.0555	-0.0427	0.4409	0.6114	0.0322	0.1777	0.0521	0.2678
67	39.16	0.04	0.1226	-0.0056	0.0657	-0.0607	0.4543	0.6312	0.0312	0.1826	0.0454	0.2893
68	39.39	0.05	0.1273	-0.0112	0.0575	-0.0600	0.4517	0.6202	0.0329	0.1814	0.0524	0.2868
69	39.53	0.06	0.1320	-0.0131	0.0555	-0.0592	0.4508	0.6412	0.0330	0.1854	0.0515	0.2851
70	39.81	0.06	0.1404	-0.0140	0.0611	-0.0597	0.4352	0.6423	0.0345	0.1861	0.0537	0.2857
71	40.01	0.06	0.1356	-0.0138	0.0600	-0.0610	0.4425	0.6614	0.0342	0.1937	0.0517	0.2925
72	40.23	0.04	0.1245	-0.0148	0.0532	-0.1185	0.4259	0.6618	0.0336	0.1921	0.0506	0.2904
73	40.42	0.06	0.1023	-0.0174	0.0681	-0.1034	0.4046	0.6477	0.0304	0.1876	0.0453	0.2856
74	40.61	0.05	0.1804	-0.0180	0.0716	-0.0590	0.3969	0.6474	0.0330	0.1881	0.0615	0.2875
75	40.84	0.05	0.1540	-0.0188	0.0553	-0.1221	0.3351	0.6727	0.0367	0.1981	0.0545	0.2515
76	41.05	0.04	0.1373	-0.0167	0.0544	-0.1216	0.3962	0.6730	0.0302	0.1956	0.0507	0.2506
77	41.24	0.04	0.1380	-0.0185	0.0552	-0.1215	0.3983	0.6767	0.0322	0.1969	0.0563	0.2501
78	41.46	0.04	0.1235	-0.0183	0.0494	-0.1245	0.3936	0.6920	0.0375	0.2015	0.0541	0.2506
79	41.64	0.03	0.1230	-0.0149	0.0505	-0.1211	0.4100	0.6953	0.0376	0.2021	0.0544	0.2507
80	41.84	0.04	0.1134	-0.0166	0.0494	-0.1404	0.3915	0.6890	0.0390	0.1964	0.0575	0.2671
81	42.04	0.05	0.1277	-0.0175	0.0565	-0.1402	0.3955	0.6614	0.0426	0.1882	0.0644	0.2645
82	42.32	0.04	0.1364	-0.0177	0.0530	-0.1297	0.3806	0.6705	0.0424	0.1912	0.0632	0.2652
83	42.50	0.04	0.1348	-0.0183	0.0535	-0.1357	0.3769	0.6108	0.0431	0.1669	0.0757	0.2732
84	42.68	0.04	0.1343	-0.0176	0.0533	-0.1304	0.3931	0.6443	0.0433	0.1805	0.0703	0.2756
85	42.86	0.04	0.1366	-0.0180	0.0522	-0.1257	0.3761	0.6624	0.0453	0.1856	0.0665	0.2602
86	43.04	0.02	0.1414	-0.0188	0.0535	-0.1188	0.3812	0.6574	0.0450	0.1822	0.0697	0.2772
87	43.22	0.04	0.1549	-0.0184	0.0574	-0.1173	0.3558	0.6564	0.0440	0.1819	0.0701	0.2771
88	43.41	0.04	0.1642	-0.0205	0.0571	-0.1273	0.3477	0.6354	0.0409	0.1716	0.0769	0.2701
89	43.59	0.03	0.1458	-0.0173	0.0565	-0.1155	0.3772	0.6386	0.0488	0.1737	0.0764	0.2715
90	43.75	0.05	0.1728	-0.0188	0.0600	-0.1000	0.3646	0.6724	0.0460	0.1850	0.0884	0.2760
91	43.95	0.05	0.1585	-0.0175	0.0551	-0.1105	0.3521	0.6732	0.0473	0.1825	0.0706	0.2725
92	44.11	0.02	0.1561	-0.0185	0.0547	-0.1185	0.3504	0.6358	0.0490	0.1702	0.0780	0.2677

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	XXIG-E	PHI	CNPF	L	CEL1	CEL2	CEL3	CEL4	TRANSITION		
7	142	1.00	1.7	C.C	BARCF14	C.C	0	-20	0	-20	UNKNOWN	
PLINT	ALPHA	BETA	CNFI	CHI	CHI	ALPFI	YCPFI	CNFI	CHI	CHI	ALPFI	YCPFI
93	44.32	0.03	0.1854	0.0157	0.0525	0.1163	0.3353	0.0442	0.0494	0.1725	0.0767	0.2678
94	44.50	0.04	0.1856	0.0166	0.0514	0.1343	0.3712	0.0508	0.0529	0.1535	0.0863	0.2563
95	44.64	0.03	0.1467	0.0167	0.0540	0.1123	0.3631	0.0293	0.0506	0.1603	0.0806	0.2643
96	44.80	0.04	0.1670	0.0174	0.0577	0.1042	0.3453	0.0501	0.0487	0.1722	0.0745	0.2645
97	45.06	0.02	0.1206	0.0151	0.0435	0.1584	0.3607	0.0578	0.0551	0.1410	0.0953	0.2440
98	45.23	0.02	0.1477	0.0155	0.0505	0.1049	0.3790	0.0308	0.0490	0.1645	0.0774	0.2583
99	45.42	0.01	0.1510	0.0160	0.0502	0.1152	0.3324	0.0107	0.0506	0.1551	0.0820	0.2515
100	45.61	0.02	0.1436	0.0166	0.0406	0.1293	0.3261	0.0097	0.0512	0.1529	0.0840	0.2506
101	45.76	0.01	0.0807	0.0156	0.0515	0.1533	0.3303	0.0577	0.0546	0.1377	0.0953	0.2396
102	45.95	0.02	0.1015	0.0172	0.0341	0.1694	0.3360	0.0407	0.0538	0.1410	0.0914	0.2395
103	46.14	0.01	0.1056	0.0167	0.0375	0.1521	0.3415	0.0500	0.0536	0.1436	0.0903	0.2405
104	46.31	0.01	0.0562	0.0147	0.0204	0.2523	0.3305	0.0550	0.0575	0.1270	0.1034	0.2285
105	46.47	0.02	0.0583	0.0122	0.0226	0.2692	0.3876	0.0516	0.0571	0.1260	0.1035	0.2284
106	46.66	0.02	0.0463	0.0130	0.0162	0.2537	0.3494	0.0543	0.0504	0.1279	0.1026	0.2307
107	46.84	0.02	0.0153	0.0162	0.0065	0.6666	0.4510	0.0574	0.0586	0.1155	0.1115	0.2150
108	47.00	0.00	0.0471	0.0163	0.0135	0.2107	0.2006	0.0545	0.0548	0.1293	0.0988	0.2332
109	47.16	0.01	0.0337	0.0051	0.0115	0.2700	0.3531	0.0529	0.0543	0.1300	0.0965	0.2305
110	47.36	0.01	0.0365	0.0066	0.0126	0.2265	0.3325	0.0545	0.0558	0.1301	0.0988	0.2305
111	47.55	0.01	0.0407	0.0151	0.0060	0.3710	0.1766	0.0431	0.0535	0.1559	0.0932	0.2424
112	47.71	0.01	0.0105	0.0012	-0.0007	0.0108	-0.0301	0.0885	0.0521	0.1667	0.0757	0.2421
113	47.90	0.05	-0.0737	-0.0055	-0.0035	0.0600	0.3243	0.0403	0.0552	0.1321	0.0913	0.2186
114	48.09	0.01	-0.0456	0.0040	-0.0003	-0.1652	0.4452	0.0234	0.0550	0.1425	0.0801	0.2204
115	48.28	0.04	-0.0713	-0.0115	-0.0227	0.1601	0.3102	0.0202	0.0578	0.1413	0.0843	0.2256
116	48.46	0.04	-0.0474	-0.0124	-0.0171	0.2616	0.3000	0.0619	0.0511	0.1534	0.0772	0.2318
117	48.63	0.02	-0.0436	-0.0144	-0.0145	0.3302	0.3326	0.0443	0.0528	0.1476	0.0815	0.2291
118	48.80	0.05	-0.0607	-0.0146	-0.0175	0.2405	0.2949	0.0587	0.0523	0.1521	0.0754	0.2365
119	49.09	0.02	-0.0556	-0.0141	-0.0166	0.2527	0.3017	0.0606	0.0522	0.1516	0.0750	0.2295
120	49.15	0.01	-0.0654	-0.0145	-0.0155	0.2620	0.2370	0.0744	0.0521	0.1501	0.0772	0.2313
121	49.32	0.01	-0.0526	-0.0165	-0.0116	0.3142	0.2210	0.0655	0.0522	0.1515	0.0784	0.2276
122	49.51	0.00	-0.0570	-0.0214	-0.0045	0.3754	0.1757	0.0606	0.0515	0.1504	0.0751	0.2288
123	49.70	0.00	-0.0588	-0.0272	-0.0053	0.4768	0.0933	0.0706	0.0493	0.1666	0.0654	0.2373
124	49.87	0.01	-0.0642	-0.0264	-0.0064	0.4112	0.1075	0.07113	0.0503	0.1606	0.0707	0.2326
125	50.04	0.01	-0.0456	-0.0266	-0.0004	0.5762	-0.0080	0.07165	0.0496	0.1703	0.0690	0.2370
126	50.23	0.03	-0.0632	-0.0264	0.0070	1.2240	0.3017	0.07151	0.0515	0.1672	0.0723	0.2326
127	50.40	0.01	-0.0553	-0.0275	0.0028	0.7789	0.0793	0.07360	0.0510	0.1730	0.0693	0.2351
128	50.57	0.03	-0.0674	-0.0274	0.0030	0.9814	0.1240	0.07235	0.0513	0.1667	0.0709	0.2332
129	50.73	0.02	-0.0660	-0.0350	-0.0000	0.9035	0.0361	0.07406	0.0477	0.1714	0.0644	0.2314
130	50.88	0.01	0.0043	-0.0043	0.0034	-0.4495	0.0306	0.07270	0.0470	0.1665	0.0657	0.2290
131	51.06	0.00	0.0045	-0.0066	0.0034	-1.9533	0.0756	0.07251	0.0480	0.1654	0.0662	0.2281
132	51.16	0.02	0.0041	0.0021	0.0124	0.0407	0.2877	0.0684	0.0502	0.1513	0.0729	0.2156
133	51.35	0.01	0.0057	-0.0001	0.0178	-0.0017	0.03060	0.07053	0.0496	0.1560	0.0703	0.2240
134	51.53	0.00	0.0041	0.0051	0.0132	0.1010	0.2635	0.0705	0.0492	0.1457	0.0725	0.2206
135	51.69	0.00	0.0021	0.0057	0.0045	0.2184	0.1724	0.06021	0.0484	0.1522	0.0709	0.2231
136	51.85	0.00	0.0025	0.0064	0.0045	0.2245	0.1714	0.0603	0.0484	0.1465	0.0685	0.2205
137	52.03	0.02	0.0025	0.0056	0.0025	0.2205	0.1103	0.0683	0.0484	0.1462	0.0680	0.2226
138	52.14	0.01	0.0013	0.0044	0.0027	0.2046	0.1256	0.0657	0.0484	0.1442	0.0659	0.2241

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH-RATE-6				PHI	CNPF	U	DEL1	DEL2	DEL3	DEL4	TRANSITION		
142 1.00 1.7				0.0	0.00014	0.0	0	-20	0	-20	UNKNOWN		
PLANT	ALPHA	BETA	CNPF1	CH1	CL1	ACPF1	YCPF1	CNPF2	CP2	CH2	ACPF2	YCPF2	
139	52.36	-0.00	0.0017	0.0042	0.0001	0.2519	0.1257	0.0718	0.0445	0.1499	0.0662	0.2231	
140	52.51	-0.00	0.0031	0.0033	0.0015	0.2519	0.1145	0.0625	0.0451	0.1546	0.0661	0.2265	
141	52.70	-0.00	0.0035	0.0035	-0.0021	0.9559	-0.6000	0.0729	0.0424	0.1521	0.0630	0.2260	
142	52.89	-0.00	0.0039	0.0029	-0.0004	0.9510	-0.0678	0.0676	0.0416	0.1516	0.0626	0.2262	
143	53.07	-0.00	0.0035	0.0029	-0.0007	0.0571	-0.2300	0.0753	0.0402	0.1546	0.0557	0.2256	
144	53.17	-0.01	0.0025	0.0021	-0.0003	0.5995	-0.0857	0.0620	0.0416	0.1567	0.0616	0.2256	
145	53.34	-0.02	-0.0003	0.0026	-0.0000	-0.6035	-2.0000	0.0674	0.0416	0.1567	0.0605	0.2305	
146	53.52	-0.02	0.0005	0.0026	-0.0004	2.0000	-0.4444	0.0900	0.0436	0.1603	0.0626	0.2303	
147	53.68	-0.01	0.0010	0.0016	0.0004	1.5596	0.4300	0.0744	0.0427	0.1642	0.0636	0.2331	
148	53.82	-0.01	0.0001	0.0006	0.0002	-1.5584	-2.0000	0.0955	0.0432	0.1620	0.0621	0.2325	
149	53.99	-0.01	-0.0003	0.0017	0.0003	-5.0659	-1.0300	0.0944	0.0414	0.1628	0.0556	0.2344	
150	54.15	-0.00	-0.0002	0.0002	0.0011	-0.9999	-3.5000	0.0959	0.0403	0.1656	0.0575	0.2380	
151	54.30	-0.01	-0.0002	0.0004	0.0003	-0.1535	-0.1154	0.0955	0.0391	0.1676	0.0561	0.2356	
152	54.46	-0.04	0.0035	0.0005	0.0024	-0.1426	0.0857	0.0755	0.0361	0.1692	0.0546	0.2356	
153	54.63	-0.02	-0.0007	0.0017	-0.0005	-0.6095	0.1852	0.0755	0.0376	0.1705	0.0533	0.2421	
154	54.77	-0.00	-0.0007	0.0006	-0.0008	-0.6090	0.0920	0.0750	0.0330	0.1721	0.0505	0.2441	
155	54.92	-0.00	-0.0006	0.0006	-0.0005	-0.6030	0.2674	0.0755	0.0346	0.1730	0.0453	0.2452	
156	55.09	-0.03	-0.0002	0.0006	-0.0005	-0.6060	0.0306	0.0710	0.0330	0.1738	0.0493	0.2448	
157	55.23	-0.04	-0.0025	0.0000	0.0003	0.0	-0.1200	0.0717	0.0330	0.1754	0.0472	0.2465	
158	55.38	-0.05	-0.0002	0.0004	-0.0001	-0.6045	0.1774	0.0716	0.0332	0.1765	0.0462	0.2456	
159	55.54	-0.03	-0.0003	0.0004	0.0	-0.6035	0.0	0.0725	0.0331	0.1776	0.0459	0.2465	
160	55.71	-0.04	-0.0002	0.0006	0.0004	-0.2307	-0.1338	0.0716	0.0313	0.1767	0.0436	0.2466	
161	55.86	-0.03	0.0046	-0.0006	0.0035	-0.1334	0.7609	0.0716	0.0253	0.1771	0.0405	0.2465	
162	56.02	-0.03	0.0040	0.0001	0.0026	0.0217	0.5652	0.0721	0.0299	0.1805	0.0408	0.2466	
163	56.17	-0.05	-0.0015	0.0000	0.0016	-0.3599	-0.6667	0.0734	0.0288	0.1821	0.0364	0.2464	
164	56.33	-0.04	0.0010	0.0001	0.0022	0.1000	2.2000	0.0725	0.0271	0.1780	0.0374	0.2457	
165	56.53	-0.06	-0.0051	0.0003	0.0000	-0.0508	-0.1176	0.0730	0.0254	0.1816	0.0398	0.2457	

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CENF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 142 1.00 1.7				0.0	0.14	0.6	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CNF3	CB3	ACPF3	YCPF3	CNF4	CF4	CB4	ACPF4	YCPF4
1	-5.82	0.00	0.0445	0.0445	0.0080	0.0000	0.1790	-1.0032	0.0210	-0.2840	-0.0190	0.2574
2	-5.81	0.01	0.0445	0.0445	0.0080	0.0000	0.1790	-1.0018	0.0213	-0.2836	-0.0193	0.2574
3	-5.81	0.02	0.0445	0.0445	0.0080	0.0000	0.1790	-1.0072	0.0207	-0.2828	-0.0189	0.2577
4	-5.81	0.04	0.0470	0.0470	0.0080	0.0000	0.1790	-1.0096	0.0202	-0.2836	-0.0184	0.2579
5	-5.20	0.02	0.0432	0.0432	0.0074	0.0000	0.1715	-1.0073	0.0223	-0.2668	-0.0217	0.2597
6	-3.36	0.01	0.0415	0.0415	0.0060	0.0000	0.1625	-0.9970	0.0240	-0.2480	-0.0259	0.2673
7	-1.61	0.02	0.0415	0.0415	0.0076	0.0000	0.1802	-0.9920	0.0246	-0.2285	-0.0298	0.2771
8	0.25	0.01	0.0422	0.0422	0.0075	0.0000	0.1820	-0.9920	0.0234	-0.2082	-0.0325	0.2891
9	2.07	0.01	0.0415	0.0415	0.0076	0.0000	0.1862	-0.9915	0.0230	-0.1797	-0.0372	0.2910
10	3.50	0.02	0.0432	0.0432	0.0084	0.0000	0.1944	-0.9913	0.0212	-0.1470	-0.0408	0.2831
11	5.75	0.01	0.0454	0.0454	0.0075	0.0000	0.1593	-0.9914	0.0165	-0.1157	-0.0446	0.2785
12	7.04	0.01	0.0574	0.0574	0.0050	0.0000	0.0571	-0.9927	0.0163	-0.0814	-0.0497	0.2484
13	9.44	0.02	0.0622	0.0622	0.0030	0.0000	0.0475	-0.9917	0.0140	-0.0507	-0.0579	0.2058
14	11.30	0.01	0.0702	0.0702	0.0026	0.0000	0.0370	-0.9957	0.0114	-0.0245	-0.0732	0.1574
15	13.20	0.01	0.0688	0.0688	0.0022	0.0000	0.0251	-0.9960	0.0117	-0.0010	-0.1219	0.0104
16	15.11	0.01	0.0714	0.0714	0.0017	0.0000	0.0238	-0.9972	0.0112	0.0250	-0.2373	-0.5424
17	17.08	0.00	0.0626	0.0626	0.0022	0.0000	0.0319	-0.9921	0.0110	0.0510	0.5213	2.4171
18	19.00	0.00	0.0612	0.0612	0.0020	0.0000	0.0343	-0.9900	0.0100	0.0781	0.1270	0.9188
19	20.94	0.01	0.0662	0.0662	0.0030	0.0000	0.0345	-0.9997	0.0115	0.0980	0.0823	0.7615
20	22.90	0.00	0.0675	0.0675	0.0044	0.0000	0.0356	-0.9991	0.0123	0.1112	0.0683	0.6174
21	24.80	0.00	0.0695	0.0695	0.0021	0.0000	0.0300	-0.9976	0.0151	0.1224	0.0694	0.5625
22	26.67	0.05	0.0690	0.0690	0.0121	0.0000	0.1347	-0.9906	0.0203	0.1110	0.1032	0.5670
23	28.01	0.08	0.0923	0.0923	0.0128	0.0000	0.1367	-0.9982	0.0220	0.1111	0.1110	0.5605
24	28.14	0.08	0.0898	0.0898	0.0124	0.0000	0.1403	-0.9919	0.0219	0.1160	0.1024	0.5517
25	28.51	0.07	0.0574	0.0574	0.0157	0.0000	0.1612	-0.9990	0.0231	0.1120	0.1161	0.5628
26	28.83	0.07	0.0574	0.0574	0.0152	0.0000	0.1501	-0.9977	0.0224	0.1166	0.1102	0.5623
27	29.10	0.07	0.0551	0.0551	0.0135	0.0000	0.1420	-0.9913	0.0236	0.1183	0.1086	0.5444
28	29.42	0.07	0.0551	0.0551	0.0130	0.0000	0.1307	-0.9920	0.0230	0.1202	0.1065	0.5424
29	29.71	0.07	0.1026	0.1026	0.0161	0.0000	0.1505	-0.9925	0.0238	0.1211	0.1054	0.5388
30	29.99	0.07	0.0552	0.0552	0.0120	0.0000	0.1200	-0.9930	0.0238	0.1244	0.1021	0.5336
31	30.26	0.06	0.0577	0.0577	0.0132	0.0000	0.1351	-0.9936	0.0236	0.1245	0.1006	0.5324
32	30.52	0.07	0.1027	0.1027	0.0160	0.0000	0.1616	-0.9902	0.0230	0.1254	0.0982	0.5221
33	30.82	0.05	0.1026	0.1026	0.0156	0.0000	0.1520	-0.9925	0.0242	0.1227	0.1073	0.5444
34	31.08	0.06	0.1004	0.1004	0.0164	0.0000	0.1541	-0.9933	0.0245	0.1204	0.1024	0.5282
35	31.37	0.08	0.1076	0.1076	0.0160	0.0000	0.1673	-0.9924	0.0241	0.1281	0.0954	0.5285
36	31.65	0.06	0.0563	0.0563	0.0138	0.0000	0.1412	-0.9974	0.0241	0.1350	0.0872	0.5029
37	31.90	0.04	0.0550	0.0550	0.0135	0.0000	0.1421	-0.9933	0.0245	0.1362	0.0858	0.4984
38	32.18	0.05	0.0524	0.0524	0.0116	0.0000	0.1277	-0.9900	0.0250	0.1405	0.0902	0.4513
39	32.43	0.02	0.0824	0.0824	0.0090	0.0000	0.1392	-0.9978	0.0269	0.1444	0.0874	0.4891
40	32.70	0.03	0.0811	0.0811	0.0094	0.0000	0.1159	-0.9914	0.0272	0.1457	0.0857	0.4590
41	32.95	0.02	0.0774	0.0774	0.0071	0.0000	0.0917	-0.9945	0.0269	0.1534	0.0781	0.4453
42	33.22	0.02	0.0805	0.0805	0.0095	0.0000	0.1224	-0.9907	0.0275	0.1515	0.0807	0.4447
43	33.46	0.03	0.0747	0.0747	0.0074	0.0000	0.0991	-0.9986	0.0259	0.1634	0.0686	0.4316
44	33.71	0.04	0.0722	0.0722	0.0062	0.0000	0.0859	-0.9950	0.0264	0.1545	0.0736	0.4367
45	33.97	0.04	0.0834	0.0834	0.0121	0.0000	0.1451	-0.9979	0.0270	0.1641	0.0714	0.4342
46	34.22	0.04	0.0721	0.0721	0.0067	0.0000	0.1207	-0.9903	0.0273	0.1591	0.0745	0.4343

PAGE 1 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 142 1.00 1.7			C.C. DIRECT		0.0	0	-20	0	-20	UNKNOWN	
FLIGHT	ALPHA	BETA	CIN	CLM	CV	CLN	CLL	CA	CAC	CAF	ACP
1	-5.82	0.00	-1.5535	0.5881	-0.0188	0.0003	-0.0044	0.0033	0.2315	0.5784	-3.5037
2	-5.81	0.01	-2.0056	0.5953	0.0039	-0.0412	-0.0044	0.0074	0.2301	0.5773	-3.4705
3	-5.91	0.02	-2.0024	0.5951	0.0025	-0.0857	-0.0043	0.0023	0.2236	0.5743	-3.4553
4	-5.81	0.02	-2.0046	0.5967	0.0045	-0.0970	-0.0043	0.0108	0.2301	0.5797	-3.4785
5	-5.20	0.02	-1.8012	0.5260	0.0410	-0.0748	-0.0043	0.0053	0.2225	0.5625	-3.6234
6	-3.36	0.01	-1.5067	0.5375	0.0039	-0.0321	0.0063	0.0010	0.2001	0.5225	-3.8095
7	-1.81	0.02	-1.2408	0.5183	0.0430	-0.0406	0.0027	0.0052	0.1836	0.5216	-4.1893
8	0.23	0.01	-0.5711	0.5000	-0.0315	-0.0260	0.0030	0.0076	0.1641	0.4036	-4.7377
9	2.07	0.01	-0.7031	0.5053	-0.0043	-0.0703	0.0030	0.0001	0.1536	0.4485	-5.0568
10	3.90	0.02	-0.4472	0.4487	0.0532	-0.0777	0.0041	0.0004	0.1553	0.4031	-7.7112
11	5.75	0.01	-0.1174	0.5247	0.0000	-0.0320	0.0046	0.0196	0.1545	0.3547	-18.5056
12	7.66	0.01	0.0910	2.4026	0.0161	-0.0846	0.0032	0.0091	0.1501	0.3131	26.3912
13	9.44	0.02	0.3751	1.9377	0.0438	-0.0283	0.0117	0.4374	0.1601	0.2773	5.1660
14	11.30	0.01	0.6030	1.7735	-0.0035	0.0207	0.0000	0.4070	0.1650	0.2420	2.1942
15	13.20	0.01	0.8464	1.1607	0.0036	0.0287	0.0074	0.3706	0.1726	0.2160	1.2470
16	15.11	0.01	1.0854	0.9037	-0.0329	0.1407	0.0137	0.3610	0.1772	0.1836	0.7038
17	17.08	0.00	1.5367	0.7375	-0.1616	0.4776	0.0199	0.3276	0.1847	0.1431	0.4530
18	19.00	0.00	1.8049	0.5419	-0.1646	0.5347	0.0391	0.2898	0.1923	0.0973	0.2371
19	20.94	0.01	2.2935	0.3408	-0.1336	0.4327	0.0351	0.2450	0.1956	0.0462	0.1512
20	22.93	0.00	2.6055	0.0071	-0.1282	0.3122	-0.0106	0.1914	0.1934	-0.0020	0.1012
21	24.85	0.00	3.3444	0.4955	-0.0451	0.1832	-0.0010	0.1382	0.1673	-0.0451	0.1472
22	26.87	0.00	4.0882	0.8968	0.0326	-1.0521	0.0753	0.0906	0.1423	-0.0957	0.1705
23	28.01	0.00	4.2258	0.9421	0.8482	-1.9715	0.0945	0.0733	0.1946	-0.1211	0.1483
24	28.14	0.00	4.4216	0.6400	0.9557	-2.0622	0.0951	0.0740	0.1976	-0.1236	0.1569
25	28.51	0.07	4.5126	0.6906	0.9045	-2.0977	0.1015	0.0604	0.1963	-0.1355	0.1530
26	28.83	0.07	4.6013	0.7213	0.9547	-2.2442	0.1139	0.0551	0.1917	-0.1416	0.1507
27	29.10	0.07	4.6940	0.7504	0.9822	-2.0697	0.1025	0.0529	0.1973	-0.1444	0.1611
28	29.42	0.07	4.8153	0.8062	0.9102	-1.9182	0.0970	0.0574	0.1937	-0.1543	0.1682
29	29.71	0.07	4.9241	1.0505	0.9313	-1.9075	0.0917	0.0429	0.2007	-0.1578	0.2134
30	29.99	0.07	4.9822	0.9952	0.8645	-1.7660	0.0917	0.0372	0.1994	-0.1622	0.1917
31	30.26	0.06	5.1183	1.0766	0.8811	-1.9533	0.0925	0.0320	0.2036	-0.1716	0.2107
32	30.52	0.07	5.1401	1.0772	1.0198	-2.0837	0.0929	0.0303	0.2047	-0.1804	0.2096
33	30.82	0.05	5.0891	1.0390	1.1280	-2.3275	0.1057	0.0338	0.2074	-0.1766	0.2154
34	31.08	0.06	5.0012	1.0001	1.1084	-2.0539	0.1239	0.0297	0.2116	-0.1819	0.1992
35	31.37	0.06	5.4473	1.2000	1.1417	-2.4542	0.1068	0.0217	0.2079	-0.1862	0.2366
36	31.65	0.06	5.3510	1.0037	0.8810	-1.7248	0.0706	0.0024	0.2070	-0.2054	0.2336
37	31.90	0.04	5.5750	1.4819	0.6219	-1.2563	0.0385	0.0024	0.2033	-0.2009	0.2658
38	32.18	0.05	5.7178	1.7775	0.7930	-1.3379	0.0350	0.0130	0.2007	-0.2143	0.2584
39	32.43	0.02	5.7424	1.5374	0.3647	-0.6532	0.0308	0.0175	0.1938	-0.2183	0.2654
40	32.70	0.03	5.0771	1.7157	0.4538	-0.6546	0.0353	0.0037	0.1905	-0.2242	0.2579
41	32.95	0.02	5.5453	1.5040	0.3356	-0.4860	0.0333	0.0030	0.1934	-0.2233	0.2528
42	33.22	0.02	0.1012	1.5433	0.3238	-0.5219	0.0418	0.0042	0.1909	-0.2431	0.2527
43	33.46	0.03	6.1714	1.4230	0.2780	-0.2944	0.0299	0.0450	0.2004	-0.2466	0.2309
44	33.71	0.03	6.2758	1.4765	0.3800	-0.8150	0.0343	0.0309	0.2016	-0.2525	0.2344
45	33.97	0.04	6.3836	1.3715	0.5253	-1.0400	0.0346	0.0441	0.2057	-0.2548	0.2148
46	34.22	0.04	6.4582	1.4154	0.5272	-0.8300	0.0370	0.0041	0.2030	-0.2691	0.2192

PAGE 1 OF 3
 SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1 142 1.00 1.7			0.00 816CF14 C.C			J	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CN	CLN	CY	CLA	CLL	CA	CAB	CAF	XCP
47	34.47	0.04	6.5675	1.5433	0.5071	-1.0556	0.0355	-0.0627	0.2076	-0.2763	0.2350
48	34.71	0.04	6.6151	1.5511	0.5035	-0.7708	0.0794	-0.0671	0.2084	-0.2755	0.2345
49	34.97	0.06	6.7377	1.4577	0.7263	-1.2267	0.0763	-0.0656	0.2077	-0.2773	0.2223
50	35.20	0.05	6.6500	1.4816	0.6032	-1.2650	0.1104	-0.0768	0.2068	-0.2756	0.2163
51	35.43	0.05	6.4020	1.5564	0.6021	-1.2664	0.0750	-0.0750	0.2107	-0.2857	0.2256
52	35.65	0.06	7.0181	1.4244	0.7010	-1.3502	0.1112	-0.0692	0.2055	-0.2988	0.2030
53	35.93	0.06	7.0776	1.6216	0.7252	-1.3556	0.0940	-0.0613	0.2056	-0.2912	0.2251
54	36.15	0.04	7.1616	1.5915	0.5341	-0.9345	0.0761	-0.1044	0.2026	-0.3070	0.2220
55	36.40	0.04	7.2564	1.5724	0.5624	-1.2564	0.1004	-0.1020	0.2071	-0.3051	0.2175
56	36.64	0.05	7.3305	1.6361	0.5645	-1.0050	0.0764	-0.1160	0.2018	-0.3156	0.2234
57	36.86	0.06	7.4167	1.5983	0.7564	-1.4411	0.1015	-0.1016	0.2075	-0.3057	0.2155
58	37.13	0.06	7.5741	1.3650	0.6052	-1.1543	0.0083	-0.1004	0.1945	-0.3064	0.2066
59	37.34	0.04	7.5581	1.6523	0.4075	-0.5275	0.0559	-0.1051	0.1980	-0.3051	0.2152
60	37.56	0.04	7.6631	1.6270	0.5426	-1.1179	0.0791	-0.1323	0.1934	-0.3007	0.2119
61	37.82	0.05	7.6160	1.3639	0.6131	-1.2250	0.0575	-0.1450	0.1966	-0.3458	0.2026
62	38.05	0.04	7.9346	1.5080	0.4045	-0.9083	0.0592	-0.1541	0.2003	-0.3544	0.1901
63	38.27	0.07	7.5646	1.4543	0.7556	-1.3351	0.0087	-0.1547	0.1975	-0.3526	0.1876
64	38.51	0.05	7.6659	1.4543	0.5616	-0.6050	0.0360	-0.1640	0.1869	-0.3525	0.1804
65	38.73	0.05	6.6512	1.3653	0.5233	-1.1033	0.0524	-0.1744	0.1914	-0.3658	0.1940
66	38.95	0.05	6.1606	1.4445	0.5285	-1.0227	0.0514	-0.1672	0.1910	-0.3602	0.1766
67	39.16	0.04	6.2410	1.4431	0.4154	-1.0200	0.0534	-0.1761	0.1871	-0.3652	0.1751
68	39.39	0.05	6.3969	1.4516	0.5052	-1.2805	0.0504	-0.1832	0.1913	-0.3745	0.1777
69	39.58	0.06	6.4560	1.3423	0.6635	-1.0035	0.0557	-0.1782	0.1897	-0.3675	0.1587
70	39.81	0.06	6.3326	1.3634	0.7296	-1.2900	0.0550	-0.1824	0.1931	-0.3725	0.1621
71	40.01	0.06	6.6100	1.2541	0.6376	-1.2697	0.0533	-0.1979	0.1912	-0.3851	0.1457
72	40.20	0.04	6.6114	1.3212	0.4345	-1.1750	0.0295	-0.2008	0.1851	-0.3865	0.1541
73	40.42	0.06	6.7031	1.2871	0.6577	-1.3268	0.0559	-0.2032	0.1895	-0.3951	0.1485
74	40.61	0.05	6.6455	1.1756	0.5345	-1.1429	0.0557	-0.2114	0.1800	-0.3994	0.1333
75	40.84	0.05	6.6030	1.2544	0.5157	-1.4533	0.0427	-0.2274	0.1887	-0.4161	0.1405
76	41.05	0.04	6.6411	1.2404	0.4561	-1.2670	0.0488	-0.2280	0.1804	-0.4144	0.1380
77	41.24	0.04	5.0463	1.2162	0.5517	-1.3765	0.0575	-0.2163	0.1924	-0.4087	0.1337
78	41.40	0.04	5.1626	1.1371	0.5157	-1.4112	0.0514	-0.2264	0.1874	-0.4138	0.1241
79	41.60	0.03	5.2205	1.2503	0.5060	-1.3700	0.0434	-0.2292	0.1894	-0.4186	0.1356
80	41.84	0.04	5.2347	1.3213	0.5037	-1.3332	0.0382	-0.2236	0.1943	-0.4175	0.1437
81	42.04	0.05	5.3760	1.2167	0.6165	-1.2246	0.0503	-0.2421	0.1912	-0.4333	0.1257
82	42.32	0.04	5.3752	1.1596	0.5295	-1.4205	0.0452	-0.2408	0.1836	-0.4364	0.1211
83	42.50	0.04	5.5623	1.3108	0.5756	-0.5875	0.0301	-0.2405	0.1897	-0.4302	0.1370
84	42.68	0.04	5.6351	1.3067	0.4965	-1.1191	0.0509	-0.2359	0.1885	-0.4244	0.1441
85	42.80	0.04	5.6256	1.3133	0.5345	-1.1426	0.0609	-0.2437	0.1908	-0.4215	0.1365
86	43.04	0.02	5.7474	1.2461	0.4545	-1.4086	0.0577	-0.2344	0.1944	-0.4293	0.1274
87	43.22	0.04	5.1561	1.2524	0.2355	-1.4474	0.0596	-0.2380	0.1925	-0.4303	0.1284
88	43.41	0.04	5.0543	1.1551	0.6060	-1.2513	0.0696	-0.2412	0.1972	-0.4364	0.1169
89	43.59	0.03	5.5470	1.3457	0.4475	-0.5557	0.05876	-0.2436	0.1929	-0.4365	0.1352
90	43.75	0.03	5.0355	1.1974	0.6341	-1.5401	0.0765	-0.2363	0.1952	-0.4333	0.1205
91	43.95	0.05	10.6365	1.2542	0.7265	-1.60750	0.0554	-0.2358	0.2011	-0.4365	0.1255
92	44.11	0.02	10.1522	1.3141	0.4662	-1.0509	0.0605	-0.2463	0.1962	-0.4425	0.1295

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	1.00	1.7	C.O. 810014	C.C	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CA	CLM	CY	CLN	CLL	CA	CAB	CAF	XLP
93	44.32	0.03	10.2530	1.1372	0.0496	-1.4937	0.0776	-0.2487	0.2024	-0.4511	0.1109
94	44.30	0.04	10.2516	1.2230	0.0300	-0.8433	0.1003	-0.2410	0.1562	-0.4342	0.1156
95	44.09	0.03	10.3044	1.2000	0.0430	-1.0265	0.0332	-0.2465	0.1562	-0.4447	0.1250
96	44.08	0.04	10.4032	1.1650	0.0235	-1.4530	0.0725	-0.2409	0.2012	-0.4481	0.1136
97	43.06	0.02	10.5147	1.2547	0.0034	-0.4075	0.1000	-0.2570	0.2031	-0.4401	0.1231
98	43.23	0.02	10.0735	1.1355	0.0032	-1.4541	0.0732	-0.2480	0.2032	-0.4492	0.1067
99	43.42	0.01	10.0320	1.1735	0.0476	-1.1104	0.0701	-0.2423	0.1991	-0.4414	0.1103
100	43.61	0.02	10.0036	1.1704	0.4725	-0.5428	0.0100	-0.2507	0.2030	-0.4557	0.1077
101	43.70	0.01	10.0265	1.1400	0.3658	-0.0642	0.0402	-0.2474	0.1976	-0.4473	0.1053
102	43.75	0.02	10.0700	1.3210	0.4430	-0.4026	0.0303	-0.2019	0.2044	-0.4663	0.1213
103	40.14	0.01	10.5695	1.0703	0.3510	-0.3635	0.0361	-0.2015	0.2037	-0.4072	0.0581
104	40.31	0.01	10.5808	1.0220	0.2408	-0.3552	0.0395	-0.2404	0.2125	-0.4525	0.1207
105	40.47	0.02	10.5381	1.0053	0.2760	-0.6580	0.0358	-0.1974	0.2321	-0.4315	0.1650
106	40.00	0.01	11.0420	1.2045	0.2755	-0.0675	0.0355	-0.2519	0.2139	-0.4057	0.1091
107	40.04	0.02	11.1152	1.3053	0.4721	-0.5467	0.0332	-0.2347	0.2267	-0.4614	0.1228
108	47.00	-0.00	11.1302	1.0555	0.1001	-0.0707	0.0570	-0.1972	0.2570	-0.4542	0.1382
109	47.10	0.01	11.1264	1.4009	0.2020	-0.7404	0.0375	-0.1438	0.2033	-0.4121	0.1313
110	47.30	0.01	11.1051	1.4522	0.3056	-0.5058	0.0819	-0.1735	0.2072	-0.4407	0.1302
111	47.55	0.01	11.5147	0.5070	0.4054	-0.3220	0.0755	-0.1949	0.3350	-0.5309	0.0652
112	47.71	0.01	11.0437	-0.1221	0.3200	-0.0000	0.0702	-0.1932	0.3337	-0.5314	-0.0056
113	47.90	0.03	11.0770	-0.0105	0.0401	-1.0219	0.0201	-0.0709	0.3705	-0.4775	-0.0772
114	40.06	0.01	11.0040	-0.0055	0.2430	1.0436	0.0447	-0.1241	0.3045	-0.5006	-0.0513
115	40.23	0.04	12.2427	-1.7224	0.5175	-1.5520	0.0095	-0.0871	0.4058	-0.4530	-0.1407
116	40.40	0.04	12.2205	-1.0021	0.5730	1.0070	0.0300	-0.0000	0.4032	-0.4096	-0.1508
117	40.63	0.02	12.4723	-1.9354	0.3643	1.9434	0.0147	-0.0713	0.4003	-0.4716	-0.1555
118	40.00	0.00	12.5350	-2.1361	0.0000	2.0000	0.0001	-0.1014	0.4020	-0.5045	-0.1704
119	40.99	0.03	12.5450	-1.7505	0.4385	1.9163	0.0040	-0.1125	0.5026	-0.5051	-0.1554
120	49.15	0.01	12.0022	-1.7406	0.0103	2.0100	0.0034	-0.1544	0.5717	-0.5201	-0.1539
121	47.52	0.01	12.0023	-1.5206	0.3405	2.1568	0.0066	-0.1173	0.3777	-0.4550	-0.1517
122	45.51	0.00	12.0020	-1.0770	0.2055	1.9855	0.0042	-0.1550	0.3557	-0.5107	-0.1541
123	44.70	-0.00	12.5310	-2.0551	0.3056	1.7512	-0.0063	-0.1770	0.3501	-0.5271	-0.1589
124	47.87	0.01	13.0009	-2.0027	0.3524	1.9200	-0.0006	-0.1006	0.3546	-0.5212	-0.1586
125	50.04	0.01	13.0005	-2.0211	0.3583	1.8852	-0.0119	-0.1627	0.3017	-0.5244	-0.1545
126	50.23	0.03	13.0072	-2.1150	0.5525	1.5742	0.0007	-0.1450	0.3040	-0.5140	-0.1601
127	50.40	-0.01	13.0105	-2.1553	0.1552	1.7657	-0.0050	-0.1259	0.3744	-0.5003	-0.1631
128	50.57	-0.03	13.0003	-2.0032	0.0015	1.0172	-0.0108	-0.1577	0.3720	-0.5305	-0.1701
129	50.73	-0.02	13.2412	-2.2005	0.1812	1.2325	-0.0028	-0.1128	0.3730	-0.4864	-0.1707
130	50.00	0.01	13.1003	-2.0017	0.4574	1.0070	0.0142	-0.1544	0.3730	-0.5200	-0.1588
131	51.00	-0.00	13.0072	-2.0440	0.3317	1.0298	0.0147	-0.1450	0.3670	-0.5126	-0.1562
132	51.10	0.00	12.0054	-1.4471	0.5504	0.6054	0.0016	-0.1544	0.3005	-0.5154	-0.1162
133	51.30	0.01	12.0051	-1.4603	0.4558	0.0743	0.0363	-0.1584	0.3665	-0.5253	-0.1132
134	51.55	0.00	12.0070	-1.3555	0.4367	0.0435	0.0003	-0.1545	0.3034	-0.5174	-0.1060
135	51.69	0.00	12.0592	-1.4442	0.3575	0.0330	0.0078	-0.1601	0.3030	-0.5291	-0.1119
136	51.00	0.00	13.0000	-1.0213	0.4122	0.9015	0.0730	-0.1545	0.3720	-0.5071	-0.1163
137	52.00	0.02	13.1134	-1.4105	0.5027	0.0670	0.0079	-0.1564	0.3698	-0.5262	-0.1080
138	52.15	-0.01	13.0163	-1.4090	0.1925	0.5602	0.0002	-0.1407	0.3700	-0.5155	-0.1078

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

 PAGE 1 OF 3
 SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH NO. 6				PRT CONF		L		CEL1	CEL2	CEL3	CEL4	TRANSITION
7 142 1.00 1.7				0.0 0.10014 0.0		0		0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CM	CLM	CM	CLM	CLL	CA	CAB	CAF	XCP	
139	52.36	-0.00	12.9829	-1.4523	0.2550	0.6719	0.0622	-0.1400	0.3704	-0.5164	-0.1119	
140	52.51	-0.05	13.0470	-1.3567	-0.1267	0.9805	0.0629	-0.1614	0.3679	-0.5253	-0.1040	
141	52.70	-0.05	13.0040	-1.5044	-0.1308	1.1523	0.0632	-0.1259	0.3732	-0.4971	-0.1131	
142	52.05	-0.05	13.0839	-1.2450	0.1305	0.9367	0.0570	-0.1315	0.3641	-0.4950	-0.0953	
143	53.02	-0.02	13.1635	-1.3050	0.1442	0.9074	0.0572	-0.1501	0.3650	-0.5157	-0.0953	
144	53.17	-0.01	13.1220	-1.2175	0.3211	0.8631	0.0573	-0.1300	0.3603	-0.4969	-0.0974	
145	53.34	-0.02	13.2527	-1.4944	0.2163	0.9217	0.0573	-0.1774	0.3732	-0.5506	-0.1127	
146	53.52	-0.02	13.3450	-1.4000	0.1550	0.9467	0.0515	-0.1405	0.3710	-0.5155	-0.1109	
147	53.60	-0.01	13.2451	-1.5515	0.1350	0.8695	0.0522	-0.1731	0.3740	-0.5471	-0.1163	
148	53.62	-0.01	13.3240	-1.5998	0.2000	0.9355	0.0517	-0.1658	0.3711	-0.5349	-0.1163	
149	53.59	-0.01	13.4220	-1.5520	0.1521	0.8690	0.0525	-0.1687	0.3605	-0.5450	-0.1157	
150	54.15	-0.00	13.4920	-1.5923	0.2000	0.8600	0.0533	-0.1695	0.3600	-0.5515	-0.1180	
151	54.30	-0.01	13.5350	-1.6972	0.2054	0.7851	0.0550	-0.1659	0.3600	-0.5455	-0.1254	
152	54.40	-0.04	13.5213	-1.6014	0.1452	0.7110	0.0550	-0.1593	0.3424	-0.5517	-0.1229	
153	54.53	-0.02	13.6214	-1.6577	0.1653	0.6455	0.0535	-0.1575	0.3550	-0.5525	-0.1349	
154	54.77	-0.02	13.6462	-1.7255	0.2110	0.5912	0.0404	-0.1501	0.3495	-0.5550	-0.1264	
155	54.52	-0.02	13.5600	-1.6741	0.1775	0.5235	0.0542	-0.1445	0.4045	-0.5494	-0.1379	
156	55.05	-0.03	13.6165	-1.7463	0.0771	0.6310	0.0542	-0.1517	0.4011	-0.5520	-0.1284	
157	55.23	-0.04	13.6521	-1.8274	-0.0488	0.5632	0.0589	-0.1540	0.4101	-0.5541	-0.1341	
158	55.30	-0.05	13.6620	-1.8919	0.0410	0.3553	0.0544	-0.1740	0.4000	-0.5504	-0.1385	
159	55.54	-0.05	13.7701	-1.9147	0.1204	0.4170	0.0556	-0.1577	0.4104	-0.5501	-0.1350	
160	55.71	-0.04	13.7062	-2.0307	0.0590	0.2730	0.0500	-0.1553	0.4108	-0.5521	-0.1482	
161	55.60	-0.03	13.6602	-1.9084	0.0465	0.2607	0.0541	-0.1536	0.4161	-0.5597	-0.1397	
162	56.02	-0.03	13.6360	-2.0721	0.0150	0.3100	0.0540	-0.1494	0.4191	-0.5605	-0.1498	
163	56.17	-0.05	13.6354	-2.1576	-0.0116	0.3203	0.0546	-0.1426	0.4304	-0.5750	-0.1559	
164	56.53	-0.04	13.3367	-2.0510	0.0497	0.3147	0.0445	-0.1492	0.4432	-0.5724	-0.1483	
165	56.53	-0.00	14.2477	-1.0262	-0.1724	0.2850	0.0467	-0.2274	0.4168	-0.6062	-0.1141	

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO-e PHI CONF L CELL DEL2 DEL3 DEL4 TRANSITION												
7 1.42 1.00 1.7 C.C 81 U14 C.C U -20 0 -20 UNKNOWN												
PCINT	ALPHA	BETA	CONF1	CONF	CONF	ALPHA1	YCPH1	CONF2	CONF	CONF	ACPH2	YCPH2
1	-5.22	0.00	-0.0151	-0.0006	0.0205	0.0397	-1.3341	-0.0768	0.0195	-0.3371	-0.0222	0.3845
2	-5.01	0.01	-0.0175	-0.0006	0.0206	0.0497	-1.1771	-0.0740	0.0180	-0.3371	-0.0215	0.3857
3	-5.31	0.02	-0.0162	-0.0006	0.0202	0.0494	-1.2489	-0.0740	0.0135	-0.3371	-0.0215	0.3857
4	-5.61	0.02	-0.0139	-0.0007	0.0215	0.0504	-1.3460	-0.0720	0.0185	-0.3354	-0.0210	0.3844
5	-5.26	0.02	-0.0152	-0.0006	0.0201	0.0494	-1.2407	-0.0697	0.0215	-0.3205	-0.0263	0.3855
6	-3.36	0.01	-0.0150	-0.0010	0.0208	0.0607	-1.3307	-0.1107	0.0240	-0.3010	-0.0346	0.4244
7	-1.51	0.02	-0.0136	-0.0010	0.0155	0.0735	-1.4151	-0.0398	0.0257	-0.2855	-0.0421	0.4688
8	0.23	0.01	-0.0170	-0.0010	0.0185	0.0353	-0.9506	-0.5212	0.0244	-0.2020	-0.0408	0.5036
9	2.37	0.01	-0.0143	-0.0006	0.0145	0.0355	-1.0140	-0.4277	0.0236	-0.2264	-0.0552	0.5253
10	3.90	0.02	-0.0110	-0.0010	0.0152	0.0697	-1.2981	-0.3225	0.0210	-0.1985	-0.0678	0.6153
11	5.75	0.01	-0.0115	-0.0017	0.0167	0.0919	-1.0100	-0.2313	0.0187	-0.1631	-0.0608	0.7051
12	7.04	0.01	-0.0225	-0.0010	0.0205	0.0711	-0.9289	-0.1945	0.0162	-0.1205	-0.1121	0.8754
13	9.44	0.02	-0.0151	-0.0034	0.0257	0.0700	-1.3555	-0.0715	0.0142	-0.0924	-0.1586	1.2523
14	11.30	0.01	-0.0210	-0.0023	0.0240	0.1005	-1.1305	0.0051	0.0111	-0.0620	3.5002	-20.2561
15	13.20	0.01	-0.0331	-0.0010	0.0185	0.0755	-0.9424	0.0521	0.0117	-0.0400	0.2245	-0.7678
16	15.11	0.01	-0.0457	-0.0020	0.0180	0.0506	-0.9932	0.0800	0.0130	-0.0221	0.1407	-0.2454
17	17.06	0.00	-0.0505	-0.0021	0.0150	0.0385	-0.2630	0.1320	0.0136	0.0002	0.1030	0.0015
18	19.00	0.00	-0.0514	-0.0017	0.0030	0.0155	-0.9413	0.1720	0.0155	0.0155	0.0501	0.1154
19	20.94	0.00	-0.0645	-0.0005	0.0032	0.0055	0.0377	0.2291	0.0150	0.0450	0.0001	0.1584
20	22.89	0.00	-0.0553	-0.0041	-0.0157	-0.0430	0.1047	0.2014	0.0157	0.0036	0.0545	0.2205
21	24.80	0.00	-0.0761	-0.0048	-0.0092	-0.0631	0.1205	0.3411	0.0165	0.0001	0.0484	0.2348
22	26.67	0.00	-0.2183	-0.0022	0.1111	-0.0204	0.3085	0.4381	0.0105	0.1155	0.0377	0.2630
23	28.61	0.00	0.3145	-0.0103	0.1477	-0.0327	0.4090	0.4753	0.0153	0.1272	0.0322	0.2678
24	28.14	0.00	0.0545	-0.0073	0.1240	-0.0267	0.4704	0.4009	0.0100	0.1222	0.0355	0.2617
25	28.51	0.07	0.3770	-0.0105	0.1071	-0.0205	0.4432	0.5004	0.0145	0.1370	0.0258	0.2738
26	28.83	0.07	0.3367	-0.0050	0.1535	-0.0290	0.4054	0.4053	0.0105	0.1297	0.0337	0.2651
27	29.10	0.07	0.3034	-0.0068	0.1427	-0.0290	0.4703	0.4683	0.0176	0.1298	0.0360	0.2658
28	29.42	0.07	0.2071	-0.0062	0.1267	-0.0210	0.4403	0.4435	0.0142	0.1203	0.0397	0.2610
29	29.71	0.07	0.3188	-0.0070	0.1383	-0.0220	0.4336	0.4874	0.0186	0.1310	0.0380	0.2677
30	29.99	0.07	0.2705	-0.0054	0.1252	-0.0195	0.4528	0.4041	0.0200	0.1297	0.0413	0.2679
31	30.26	0.06	0.2818	-0.0015	0.1175	-0.0073	0.4503	0.4896	0.0205	0.1297	0.0415	0.2645
32	30.52	0.07	0.2535	-0.0015	0.1125	-0.0051	0.4454	0.4808	0.0204	0.1270	0.0425	0.2625
33	30.82	0.07	0.2305	-0.0046	0.1443	-0.0143	0.4268	0.5013	0.0200	0.1332	0.0395	0.2657
34	31.08	0.08	0.3473	-0.0044	0.1405	-0.0127	0.4270	0.5061	0.0205	0.1354	0.0395	0.2605
35	31.37	0.08	0.3022	-0.0005	0.1306	-0.0010	0.4272	0.5105	0.0230	0.1348	0.0451	0.2661
36	31.65	0.06	0.1675	-0.0041	0.0755	-0.0227	0.4417	0.4905	0.0201	0.1291	0.0523	0.2588
37	31.90	0.04	0.2206	-0.0023	0.0900	-0.0104	0.4379	0.5041	0.0271	0.1308	0.0538	0.2595
38	32.10	0.05	0.1075	-0.0023	0.0677	-0.0125	0.4017	0.5001	0.0270	0.1320	0.0533	0.2628
39	32.43	0.02	0.0915	-0.0055	0.0467	-0.0045	0.5104	0.5004	0.0280	0.1315	0.0595	0.2628
40	32.70	0.03	0.0954	-0.0057	0.0400	-0.0057	0.4322	0.5086	0.0277	0.1354	0.0545	0.2602
41	32.95	0.02	0.0941	-0.0046	0.0350	-0.0067	0.4580	0.5072	0.0278	0.1348	0.0548	0.2658
42	33.22	0.02	0.1147	-0.0006	0.0506	-0.0052	0.4435	0.5080	0.0273	0.1354	0.0537	0.2601
43	33.46	0.03	-0.0088	-0.0057	0.0120	-0.0027	1.4551	0.5038	0.0273	0.1349	0.0542	0.2678
44	33.71	0.04	0.0090	-0.0003	0.0404	-0.0045	0.0007	0.5102	0.0209	0.1391	0.0521	0.2655
45	33.97	0.04	0.1257	-0.0017	0.0700	-0.0131	0.5397	0.5277	0.0267	0.1444	0.0508	0.2740
46	34.22	0.04	0.1255	-0.0023	0.0730	-0.0144	0.4577	0.5354	0.0261	0.1470	0.0487	0.2761

PAGE 2 OF 3
SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	RAIO-0	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	1-2	0.00	1.0	C.C	310CF1	0.0	0	-20	0	-20	UNKNOWN		
FLINT	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8	CONF9	CONF10	CONF11
47	34.47	0.04	0.1722	0.0040	0.0045	0.0267	0.4707	0.5256	0.0271	0.1448	0.0516	0.2755	
48	34.71	0.04	0.1724	0.0046	0.0046	0.0734	0.5502	0.5214	0.0280	0.1449	0.0537	0.2741	
49	34.97	0.06	0.1753	0.0064	0.0025	0.0305	0.5277	0.5351	0.0274	0.1445	0.0512	0.2754	
50	35.23	0.05	0.2265	0.0062	0.0065	0.0271	0.4746	0.5432	0.0276	0.1523	0.0508	0.2804	
51	35.43	0.05	0.2243	0.0056	0.0065	0.0248	0.4332	0.5512	0.0287	0.1542	0.0521	0.2756	
52	35.69	0.06	0.2169	0.0064	0.0065	0.0231	0.4442	0.5622	0.0283	0.1545	0.0503	0.2816	
53	35.93	0.06	0.2514	0.0035	0.0067	0.0151	0.4395	0.5592	0.0301	0.1561	0.0538	0.2791	
54	36.15	0.04	0.1343	0.0022	0.0052	0.0138	0.5398	0.5527	0.0312	0.1552	0.0564	0.2808	
55	36.43	0.04	0.2344	0.0027	0.0065	0.0113	0.4414	0.5715	0.0335	0.1618	0.0533	0.2828	
56	36.64	0.05	0.1465	0.0062	0.0054	0.0014	0.5147	0.5677	0.0311	0.1602	0.0548	0.2822	
57	36.86	0.06	0.2262	0.0013	0.0028	0.0057	0.4545	0.5620	0.0321	0.1588	0.0571	0.2828	
58	37.13	0.06	0.1512	0.0013	0.0077	0.0099	0.5073	0.5708	0.0303	0.1633	0.0523	0.2821	
59	37.34	0.04	0.1381	0.0013	0.0076	0.0099	0.5141	0.5731	0.0315	0.1624	0.0550	0.2834	
60	37.56	0.04	0.1778	0.0019	0.0045	0.0107	0.4775	0.5834	0.0314	0.1606	0.0546	0.2853	
61	37.82	0.05	0.1537	0.0022	0.0076	0.0206	0.4554	0.5903	0.0314	0.1708	0.0527	0.2864	
62	38.05	0.04	0.1500	0.0033	0.0072	0.0216	0.4777	0.6005	0.0314	0.1707	0.0523	0.2863	
63	38.27	0.07	0.1610	0.0036	0.0076	0.0224	0.4758	0.5434	0.0327	0.1691	0.0551	0.2850	
64	38.51	0.03	0.1213	0.0061	0.0540	0.0503	0.4804	0.6224	0.0300	0.1501	0.0455	0.2854	
65	38.73	0.05	0.1357	0.0057	0.0064	0.0420	0.4893	0.6077	0.0326	0.1742	0.0536	0.2867	
66	38.95	0.05	0.1117	0.0070	0.0055	0.0627	0.4969	0.6174	0.0322	0.1777	0.0521	0.2878	
67	39.18	0.04	0.1226	0.0055	0.0057	0.0607	0.4543	0.6312	0.0312	0.1626	0.0454	0.2893	
68	39.39	0.05	0.1273	0.0012	0.0057	0.0600	0.4517	0.6202	0.0324	0.1614	0.0524	0.2888	
69	39.53	0.06	0.1520	0.0013	0.0055	0.0542	0.4506	0.6412	0.0330	0.1854	0.0515	0.2851	
70	39.81	0.06	0.1404	0.0014	0.0011	0.0597	0.4352	0.6423	0.0343	0.1861	0.0537	0.2857	
71	40.01	0.06	0.1556	0.0013	0.0060	0.1018	0.4425	0.6614	0.0342	0.1937	0.0517	0.2929	
72	40.20	0.04	0.1245	0.0014	0.0032	0.1885	0.4254	0.6616	0.0336	0.1921	0.0566	0.2904	
73	40.42	0.08	0.1823	0.0174	0.0061	0.1034	0.4348	0.6477	0.0364	0.1876	0.0553	0.2856	
74	40.61	0.05	0.1604	0.0060	0.0016	0.0590	0.3964	0.6474	0.0356	0.1861	0.0615	0.2875	
75	40.84	0.05	0.1540	0.0066	0.0055	0.1221	0.3351	0.6727	0.0367	0.1961	0.0545	0.2513	
76	41.03	0.04	0.1373	0.0061	0.0044	0.1216	0.3462	0.6738	0.0362	0.1956	0.0567	0.2506	
77	41.24	0.04	0.1366	0.0065	0.0052	0.1219	0.3965	0.6767	0.0362	0.1965	0.0563	0.2501	
78	41.40	0.04	0.1255	0.0063	0.0044	0.1249	0.3936	0.6926	0.0375	0.2013	0.0541	0.2506	
79	41.64	0.03	0.1230	0.0014	0.0055	0.1211	0.4106	0.6953	0.0376	0.2021	0.0544	0.2507	
80	41.84	0.04	0.1134	0.0066	0.0044	0.1404	0.3915	0.6840	0.0396	0.1964	0.0575	0.2671	
81	42.04	0.05	0.1277	0.0077	0.0055	0.1402	0.3955	0.6614	0.0426	0.1882	0.0644	0.2645	
82	42.24	0.04	0.1324	0.0077	0.0035	0.1447	0.3800	0.6705	0.0424	0.1912	0.0632	0.2652	
83	42.50	0.04	0.1343	0.0065	0.0055	0.1357	0.3769	0.6108	0.0437	0.1665	0.0757	0.2732	
84	42.68	0.04	0.1344	0.0076	0.0055	0.1304	0.3951	0.6443	0.0433	0.1803	0.0703	0.2758	
85	42.86	0.04	0.1366	0.0060	0.0052	0.1297	0.3761	0.6624	0.0443	0.1856	0.0685	0.2802	
86	43.04	0.06	0.1414	0.0066	0.0035	0.1186	0.3812	0.6574	0.0458	0.1822	0.0657	0.2772	
87	43.22	0.04	0.1567	0.0064	0.0057	0.1173	0.3856	0.6564	0.0460	0.1815	0.0701	0.2771	
88	43.41	0.04	0.1642	0.0065	0.0057	0.1273	0.3477	0.6354	0.0469	0.1716	0.0709	0.2701	
89	43.59	0.05	0.1456	0.0073	0.0055	0.1155	0.3772	0.6368	0.0466	0.1737	0.0764	0.2715	
90	43.75	0.05	0.1461	0.0066	0.0036	0.1008	0.3846	0.6724	0.0460	0.1870	0.0684	0.2760	
91	43.95	0.05	0.1565	0.0073	0.0051	0.1105	0.3521	0.6732	0.0473	0.1825	0.0706	0.2725	
92	44.11	0.06	0.1561	0.0065	0.0047	0.1105	0.3504	0.6358	0.0446	0.1702	0.0780	0.2677	

PAGE 4 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	AXIS	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	1.42	1.00	1.7	C.C. 0106F14	C.C.	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CNPF1	CNPF2	CNPF3	YCFF1	YCFF2	CNPF2	CNPF3	YCFF2
53	44.52	0.03	0.1054	0.0157	0.0065	0.1183	0.3453	0.0442	0.0494	0.1725
54	44.53	0.03	0.1054	0.0157	0.0065	0.1183	0.3453	0.0442	0.0494	0.1725
55	44.64	0.03	0.1447	0.0167	0.0340	0.1123	0.3331	0.0293	0.0536	0.1663
56	44.60	0.04	0.1670	0.0174	0.0577	0.1042	0.3453	0.0501	0.0487	0.1722
57	45.02	0.02	0.1200	0.0151	0.0435	0.1504	0.3607	0.0578	0.0551	0.1410
58	45.25	0.02	0.1477	0.0155	0.0309	0.1047	0.3440	0.0500	0.0470	0.1645
59	45.42	0.01	0.1510	0.0160	0.0302	0.1172	0.3324	0.0507	0.0506	0.1551
100	45.61	0.02	0.1430	0.0160	0.0409	0.1273	0.3261	0.0497	0.0512	0.1529
101	45.70	0.01	0.0607	0.0156	0.0315	0.1553	0.3303	0.0547	0.0548	0.1377
102	45.93	0.02	0.1015	0.0172	0.0341	0.1094	0.3380	0.0507	0.0538	0.1410
103	46.14	0.01	0.1058	0.0167	0.0375	0.1521	0.3415	0.0500	0.0538	0.1436
		0.01	0.0712	0.0149	0.0204	0.2525	0.3305	0.0550	0.0575	0.1270
		0.02	0.0113	0.0122	0.0022	0.2052	0.3072	0.0516	0.0571	0.1260
			0.0463	0.0130	0.0102	0.2537	0.3495	0.0543	0.0565	0.1279
			0.0152	0.0102	0.0005	0.0660	0.4510	0.0574	0.0588	0.1155
106	47.00	0.00	0.0471	0.0103	0.0135	0.2107	0.2306	0.0545	0.0540	0.1243
107	47.10	0.01	0.0337	0.0091	0.0119	0.2700	0.3531	0.0529	0.0543	0.1300
108	47.36	0.01	0.0365	0.0088	0.0122	0.2205	0.3325	0.0545	0.0558	0.1301
111	47.55	0.01	0.0407	0.0151	0.0080	0.3710	0.1566	0.0431	0.0535	0.1559
112	47.71	0.01	0.0105	0.0212	0.0007	0.0168	0.0301	0.0885	0.0521	0.1007
113	47.90	0.05	0.0737	0.0055	0.0023	0.0000	0.0243	0.0603	0.0552	0.1321
114	48.00	0.01	0.0430	0.0040	0.0003	0.1052	0.4452	0.0235	0.0550	0.1425
115	48.26	0.04	0.0718	0.0115	0.0027	0.1001	0.3102	0.0202	0.0520	0.1413
116	48.40	0.04	0.0474	0.0124	0.0171	0.2610	0.3600	0.0614	0.0511	0.1334
117	48.65	0.02	0.0436	0.0145	0.0145	0.3302	0.3326	0.0443	0.0520	0.1476
118	48.80	0.03	0.0007	0.0140	0.0175	0.2405	0.2444	0.0307	0.0523	0.1521
119	48.99	0.02	0.0556	0.0141	0.0166	0.2527	0.3011	0.0606	0.0522	0.1516
120	49.15	0.01	0.0054	0.0165	0.0155	0.0020	0.2370	0.0744	0.0521	0.1501
121	49.32	0.01	0.0525	0.0165	0.0116	0.3142	0.2210	0.0635	0.0522	0.1515
122	49.51	0.01	0.0370	0.0214	0.0044	0.3154	0.1757	0.0600	0.0515	0.1505
123	49.70	0.05	0.0368	0.0272	0.0053	0.4783	0.0933	0.0706	0.0493	0.1066
124	49.87	0.01	0.0042	0.0204	0.0009	0.4112	0.1075	0.0713	0.0503	0.1050
125	50.04	0.01	0.0450	0.0260	0.0004	0.5722	0.0060	0.0718	0.0496	0.1703
126	50.23	0.03	0.0032	0.0214	0.0070	1.2240	0.3017	0.0710	0.0514	0.1672
127	50.40	0.01	0.0353	0.0275	0.0028	0.7785	0.0993	0.0730	0.0510	0.1730
128	50.57	0.03	0.0274	0.0274	0.0030	0.5014	0.1290	0.0725	0.0515	0.1667
129	50.73	0.02	0.0100	0.0190	0.0000	0.5035	0.0361	0.0740	0.0477	0.1714
130	50.88	0.01	0.0093	0.0093	0.0004	0.4495	0.0300	0.0740	0.0476	0.1665
131	51.06	0.00	0.0045	0.0086	0.0034	0.5553	0.0755	0.0725	0.0480	0.1654
132	51.16	0.02	0.0021	0.0021	0.0024	0.0067	0.2877	0.0688	0.0502	0.1513
133	51.35	0.01	0.0078	0.0001	0.0172	0.0017	0.3020	0.0753	0.0496	0.1550
134	51.53	0.00	0.0011	0.0001	0.0132	0.1010	0.2655	0.0705	0.0492	0.1497
135	51.67	0.00	0.0021	0.0007	0.0045	0.2185	0.1724	0.0621	0.0484	0.1522
136	51.83	0.00	0.0021	0.0004	0.0045	0.2245	0.1714	0.0603	0.0459	0.1469
137	52.03	0.02	0.0263	0.0056	0.0025	0.2205	0.1103	0.0653	0.0434	0.1402
138	52.14	0.01	0.0215	0.0044	0.0027	0.2040	0.1250	0.0657	0.0434	0.1442

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

 PAGE 2 OF 3
 SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

PLINT	TEST PART NAME RAIC-8		PHI CONF		T		DEL1	DEL2	DEL3	DEL4	TRANSITION	
	1	142 1.00 1.0	0.00 0.00 1.0	0.00 0.00 1.0	0.00 0.00 1.0	0.00 0.00 1.0	0	-20	0	-20	UNKNOWN	UNKNOWN
	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8	CONF9	CONF10
139	52.55	-0.00	0.0017	0.0042	0.0021	0.2515	0.1257	0.0718	0.0445	0.1499	0.0662	0.2231
140	52.52	-0.00	0.0031	0.0023	0.0019	0.2519	0.1445	0.0825	0.0451	0.1346	0.0661	0.2205
141	52.70	-0.00	0.0035	0.0035	-0.0021	0.5555	-0.0030	0.0729	0.0424	0.1521	0.0630	0.2260
142	52.60	-0.00	0.0035	0.0025	-0.0004	0.4413	-0.0076	0.0876	0.0416	0.1516	0.0626	0.2262
143	51.00	-0.00	0.0035	0.0035	-0.0007	0.0071	-0.2000	0.0733	0.0402	0.1546	0.0557	0.2256
144	52.17	-0.00	0.0035	0.0021	-0.0003	0.3445	-0.0037	0.0820	0.0416	0.1567	0.0616	0.2256
145	52.34	-0.00	0.0033	0.0026	-0.0000	0.8055	0.0000	0.0874	0.0416	0.1567	0.0605	0.2305
146	52.22	-0.00	0.0035	0.0026	-0.0004	0.8055	0.0444	0.0863	0.0436	0.1663	0.0626	0.2305
147	52.60	-0.00	0.0010	0.0010	0.0004	1.5592	0.0000	0.0844	0.0427	0.1642	0.0606	0.2331
148	52.62	-0.00	0.0001	0.0000	0.0002	1.5592	0.0000	0.0844	0.0432	0.1625	0.0621	0.2325
149	52.99	-0.00	0.0003	0.0017	0.0003	5.6054	-1.0000	0.0844	0.0414	0.1625	0.0596	0.2344
150	54.15	-0.00	0.0002	0.0002	0.0011	0.0000	0.0000	0.0844	0.0403	0.1650	0.0575	0.2380
151	54.50	-0.00	0.0000	0.0000	0.0003	0.1535	-0.1534	0.0844	0.0391	0.1670	0.0561	0.2356
152	54.40	-0.00	0.0035	0.0005	0.0024	0.1420	0.0000	0.0844	0.0381	0.1642	0.0540	0.2356
153	54.00	-0.00	0.0027	0.0017	0.0005	0.0000	0.0000	0.0844	0.0370	0.1705	0.0535	0.2421
154	54.77	-0.00	0.0007	0.0000	0.0000	0.0000	0.0000	0.0844	0.0360	0.1721	0.0505	0.2441
155	54.92	-0.00	0.0000	0.0000	0.0021	0.0000	0.0000	0.0844	0.0348	0.1720	0.0493	0.2452
156	55.00	-0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0844	0.0330	0.1730	0.0493	0.2448
157	55.23	-0.00	0.0021	0.0000	0.0003	0.0000	0.0000	0.0844	0.0330	0.1754	0.0472	0.2465
158	55.30	-0.00	0.0000	0.0000	0.0011	0.0000	0.0000	0.0844	0.0332	0.1765	0.0462	0.2456
159	55.59	-0.00	0.0003	0.0000	0.0000	0.0000	0.0000	0.0844	0.0331	0.1776	0.0459	0.2465
160	55.71	-0.00	0.0000	0.0000	0.0004	0.0000	0.0000	0.0844	0.0313	0.1767	0.0436	0.2466
161	55.80	-0.00	0.0000	0.0000	0.0035	0.1304	0.0000	0.0844	0.0293	0.1771	0.0408	0.2465
162	56.02	-0.00	0.0000	0.0001	0.0026	0.0017	0.0000	0.0844	0.0299	0.1805	0.0408	0.2466
163	56.17	-0.00	0.0015	0.0000	0.0010	0.3455	0.0000	0.0844	0.0288	0.1827	0.0364	0.2464
164	56.30	-0.00	0.0010	0.0001	0.0022	0.1000	0.0000	0.0844	0.0271	0.1800	0.0374	0.2457
165	56.50	-0.00	0.0051	0.0003	0.0000	0.0000	0.0000	0.0844	0.0254	0.1816	0.0396	0.2457

PAGE 3 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACT RAIO=6 PHI CONF T DEL1 DEL2 DEL3 DEL4 TRANSITION												
1 142 1.00 1.7 C.C. 0.00F14 C.C. 0 -20 0 -20 UNKNOWN												
PLINT	ALPHA	BETA	CNP3	CNP4	CNP5	XCPF3	YCPF3	CNP4	CF4	CB4	XCPF4	YCPF4
1	-5.82	0.00	0.0445	0.0445	0.0445	0.1793	-1.1032	0.0210	-0.2840	-0.0190	0.2574	0.2574
2	-5.81	0.01	0.0445	0.0445	0.0445	0.1790	-1.1018	0.0213	-0.2836	-0.0153	0.2574	0.2574
3	-5.81	0.02	0.0445	0.0445	0.0445	0.1786	-1.1012	0.0207	-0.2828	-0.0189	0.2577	0.2577
4	-5.81	0.02	0.0470	0.0470	0.0470	0.1745	-1.0996	0.0202	-0.2838	-0.0184	0.2579	0.2579
5	-5.26	0.02	0.0432	0.0432	0.0432	0.1713	-1.0973	0.0223	-0.2868	-0.0217	0.2557	0.2557
6	-5.36	0.01	0.0416	0.0416	0.0416	0.1625	-0.9927	0.0240	-0.2400	-0.0259	0.2673	0.2673
7	-1.61	0.02	0.0415	0.0415	0.0415	0.1802	-0.9261	0.0248	-0.2285	-0.0258	0.2771	0.2771
8	0.23	0.01	0.0432	0.0432	0.0432	0.1825	-0.9202	0.0234	-0.2002	-0.0325	0.2891	0.2891
9	2.07	0.01	0.0416	0.0416	0.0416	0.1882	-0.8175	0.0230	-0.1797	-0.0372	0.2910	0.2910
10	3.50	0.02	0.0432	0.0432	0.0432	0.1944	-0.7193	0.0212	-0.1470	-0.0408	0.2631	0.2631
11	5.75	0.01	0.0450	0.0450	0.0450	0.1943	-0.7149	0.0195	-0.1157	-0.0446	0.2785	0.2785
12	7.94	0.01	0.0374	0.0374	0.0374	0.0571	-0.3277	0.0165	-0.0814	-0.0457	0.2484	0.2484
13	5.94	0.02	0.0620	0.0620	0.0620	0.0479	-0.2417	0.0140	-0.0507	-0.0579	0.2058	0.2058
14	11.30	0.01	0.0702	0.0702	0.0702	0.0370	-0.1557	0.0114	-0.0245	-0.0732	0.1574	0.1574
15	13.20	0.01	0.0608	0.0608	0.0608	0.0291	-0.0960	0.0117	0.0010	-0.1219	-0.0104	-0.0104
16	15.11	0.01	0.0714	0.0714	0.0714	0.0230	-0.0472	0.0112	0.0230	-0.2373	-0.5424	-0.5424
17	17.06	0.00	0.0620	0.0620	0.0620	0.0319	0.0211	0.0110	0.0510	0.5213	2.4171	2.4171
18	19.00	-0.01	0.0612	0.0612	0.0612	0.0343	0.0000	0.0100	0.0701	0.1270	0.9188	0.9188
19	20.54	0.01	0.0662	0.0662	0.0662	0.0395	0.1347	0.0115	0.0980	0.0823	0.7015	0.7015
20	22.50	0.00	0.0675	0.0675	0.0675	0.0055	0.1801	0.0123	0.1112	0.0683	0.6174	0.6174
21	24.86	0.00	0.0655	0.0655	0.0655	0.0300	0.2176	0.0151	0.1224	0.0694	0.5625	0.5625
22	26.07	0.05	0.0690	0.0690	0.0690	0.1347	0.1906	0.0203	0.1116	0.1032	0.5676	0.5676
23	26.01	0.08	0.0623	0.0623	0.0623	0.1367	0.1902	0.0220	0.1111	0.1110	0.5605	0.5605
24	26.14	0.08	0.0655	0.0655	0.0655	0.1403	0.2139	0.0219	0.1180	0.1024	0.5517	0.5517
25	26.51	0.07	0.0674	0.0674	0.0674	0.1612	0.1990	0.0231	0.1120	0.1161	0.5628	0.5628
26	26.83	0.07	0.0674	0.0674	0.0674	0.1501	0.2077	0.0229	0.1160	0.1102	0.5623	0.5623
27	29.10	0.07	0.0651	0.0651	0.0651	0.1420	0.2173	0.0236	0.1133	0.1086	0.5444	0.5444
28	29.42	0.07	0.0651	0.0651	0.0651	0.1307	0.2216	0.0236	0.1202	0.1065	0.5424	0.5424
29	29.71	0.07	0.0626	0.0626	0.0626	0.1564	0.2257	0.0238	0.1211	0.1054	0.5366	0.5366
30	29.99	0.07	0.0652	0.0652	0.0652	0.1200	0.2330	0.0238	0.1244	0.1021	0.5335	0.5335
31	30.26	0.06	0.0677	0.0677	0.0677	0.1351	0.2346	0.0236	0.1245	0.1006	0.5324	0.5324
32	30.52	0.07	0.0627	0.0627	0.0627	0.1016	0.2402	0.0236	0.1234	0.0982	0.5221	0.5221
33	30.82	0.05	0.1026	0.1026	0.1026	0.1520	0.2254	0.0242	0.1227	0.1073	0.5444	0.5444
34	31.06	0.06	0.1004	0.1004	0.1004	0.1541	0.2393	0.0245	0.1204	0.1024	0.5282	0.5282
35	31.37	0.08	0.1076	0.1076	0.1076	0.1673	0.2424	0.0241	0.1281	0.0994	0.5285	0.5285
36	31.65	0.06	0.1063	0.1063	0.1063	0.1412	0.2784	0.0241	0.1350	0.0872	0.5029	0.5029
37	31.90	0.04	0.0950	0.0950	0.0950	0.1421	0.2733	0.0245	0.1302	0.0856	0.4984	0.4984
38	32.18	0.05	0.0924	0.0924	0.0924	0.1277	0.2800	0.0238	0.1405	0.0902	0.4913	0.4913
39	32.43	0.02	0.0824	0.0824	0.0824	0.1392	0.3078	0.0269	0.1444	0.0874	0.4651	0.4651
40	32.70	0.03	0.0811	0.0811	0.0811	0.1159	0.3174	0.0272	0.1457	0.0857	0.4590	0.4590
41	32.95	0.02	0.0774	0.0774	0.0774	0.0917	0.3445	0.0269	0.1534	0.0781	0.4453	0.4453
42	33.22	0.02	0.0804	0.0804	0.0804	0.1224	0.3407	0.0275	0.1515	0.0807	0.4447	0.4447
43	33.46	0.03	0.0747	0.0747	0.0747	0.0991	0.3786	0.0259	0.1638	0.0686	0.4376	0.4376
44	33.71	0.02	0.0722	0.0722	0.0722	0.0854	0.3852	0.0264	0.1555	0.0736	0.4367	0.4367
45	33.97	0.04	0.0834	0.0834	0.0834	0.1451	0.3779	0.0270	0.1641	0.0716	0.4342	0.4342
46	34.22	0.04	0.0721	0.0721	0.0721	0.1207	0.3803	0.0273	0.1591	0.0745	0.4343	0.4343

PAGE 4 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI CONF		DEL1 DEL2 DEL3 DEL4		TRANSITION					
7 142 1.00 1.07				0.0 0.00014 0.0		0 -20 0 -20		UNKNOWN					
POINT	ALPHA	DELTA	CONF1	CONF2	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8	CONF9	CONF10	CONF11
93	44.32	0.03	0.1854	0.0197	0.0505	0.1103	0.3353	0.0442	0.0494	0.1725	0.0767	0.2878	0.2563
94	44.50	0.04	0.1854	0.0197	0.0505	0.1103	0.3353	0.0442	0.0494	0.1725	0.0767	0.2878	0.2563
95	44.69	0.03	0.1427	0.0167	0.0340	0.1123	0.3331	0.0293	0.0306	0.1663	0.0604	0.2643	0.2449
96	44.88	0.04	0.1870	0.0174	0.0377	0.1042	0.3355	0.0501	0.0437	0.1722	0.0749	0.2649	0.2449
97	45.06	0.02	0.1200	0.0151	0.0435	0.1364	0.3607	0.0576	0.0551	0.1410	0.0953	0.2440	0.2440
98	45.25	0.02	0.1477	0.0155	0.0305	0.1049	0.3446	0.0368	0.0470	0.1645	0.0779	0.2583	0.2515
99	45.42	0.01	0.1510	0.0180	0.0302	0.1192	0.3324	0.0167	0.0506	0.1551	0.0820	0.2515	0.2506
100	45.61	0.02	0.1436	0.0160	0.0409	0.1293	0.3261	0.0097	0.0512	0.1529	0.0840	0.2506	0.2395
101	45.70	0.01	0.0807	0.0156	0.0315	0.1535	0.3303	0.0574	0.0548	0.1377	0.0953	0.2395	0.2205
102	45.89	0.02	0.1015	0.0172	0.0341	0.1094	0.3360	0.0560	0.0538	0.1410	0.0914	0.2395	0.2205
103	46.14	0.01	0.1056	0.0167	0.0375	0.1521	0.3315	0.0560	0.0538	0.1436	0.0903	0.2405	0.2205
104	46.33	0.01	0.0502	0.0147	0.0204	0.2525	0.3305	0.0550	0.0575	0.1270	0.1034	0.2205	0.2284
105	46.47	0.02	0.0503	0.0122	0.0220	0.2072	0.3376	0.0516	0.0571	0.1260	0.1035	0.2284	0.2367
106	46.60	0.01	0.0463	0.0130	0.0162	0.2537	0.3399	0.0543	0.0565	0.1279	0.1026	0.2367	0.2150
107	46.74	0.02	0.0153	0.0102	0.0069	0.6066	0.3310	0.0574	0.0508	0.1155	0.1115	0.2150	0.2332
108	47.00	0.00	0.0471	0.0103	0.0135	0.2107	0.2000	0.0545	0.0540	0.1293	0.0988	0.2332	0.2305
109	47.18	0.01	0.0337	0.0091	0.0115	0.2700	0.3331	0.0502	0.0543	0.1300	0.0988	0.2305	0.2242
110	47.36	0.01	0.0305	0.0088	0.0122	0.2205	0.3325	0.0545	0.0530	0.1301	0.0988	0.2305	0.2242
111	47.55	0.01	0.0407	0.0151	0.0080	0.3710	0.1966	0.0431	0.0535	0.1359	0.0932	0.2242	0.2421
112	47.71	0.01	0.0105	0.0112	0.0067	0.2108	0.0381	0.0085	0.0521	0.1067	0.0797	0.2421	0.2168
113	47.90	0.05	0.0077	0.0055	0.0035	0.0000	0.0243	0.0045	0.0552	0.1321	0.0913	0.2168	0.2284
114	48.08	0.01	0.0436	0.0040	0.0003	0.1032	0.4432	0.0235	0.0550	0.1425	0.0601	0.2284	0.2256
115	48.26	0.04	0.0713	0.0115	0.0027	0.1001	0.3102	0.0202	0.0520	0.1413	0.0843	0.2256	0.2318
116	48.46	0.04	0.0474	0.0124	0.0171	0.2616	0.3000	0.0619	0.0511	0.1534	0.0772	0.2318	0.2291
117	48.63	0.02	0.0436	0.0144	0.0145	0.3302	0.3328	0.0443	0.0520	0.1470	0.0815	0.2291	0.2305
118	48.80	0.05	0.0007	0.0140	0.0175	0.2405	0.2999	0.0537	0.0523	0.1521	0.0754	0.2305	0.2295
119	48.99	0.02	0.0358	0.0141	0.0168	0.2527	0.3311	0.0606	0.0522	0.1516	0.0790	0.2295	0.2313
120	49.15	0.01	0.0054	0.0085	0.0133	0.2020	0.2370	0.0749	0.0521	0.1501	0.0772	0.2313	0.2276
121	49.32	0.01	0.0025	0.0105	0.0116	0.3142	0.2210	0.0655	0.0522	0.1515	0.0784	0.2276	0.2288
122	49.51	0.00	0.00370	0.00214	0.0055	0.3754	0.1737	0.0650	0.0515	0.1505	0.0751	0.2288	0.2373
123	49.70	0.00	0.0028	0.0072	0.0053	0.4765	0.0333	0.0706	0.0493	0.1066	0.0854	0.2373	0.2326
124	49.87	0.01	0.0042	0.0020	0.0009	0.4112	0.1075	0.0713	0.0503	0.1050	0.0707	0.2326	0.2370
125	50.04	0.01	0.0048	0.0020	0.0004	0.5752	0.0300	0.0716	0.0496	0.1703	0.0690	0.2370	0.2326
126	50.23	0.03	0.0022	0.0004	0.0070	1.2240	0.3317	0.0713	0.0515	0.1072	0.0723	0.2326	0.2331
127	50.40	0.01	0.0033	0.0027	0.0028	0.7735	0.3373	0.0730	0.0510	0.1730	0.0693	0.2331	0.2332
128	50.57	0.03	0.00279	0.00214	0.0000	0.9019	0.1290	0.0735	0.0513	0.1067	0.0709	0.2332	0.2314
129	50.73	0.02	0.0015	0.00150	0.0000	0.9035	0.3361	0.0740	0.0477	0.1714	0.0644	0.2314	0.2290
130	50.90	0.01	0.0043	0.0003	0.0004	0.9999	0.3300	0.0770	0.0470	0.1665	0.0657	0.2290	0.2281
131	51.06	0.00	0.0045	0.0000	0.0034	1.9553	0.7556	0.1251	0.0480	0.1654	0.0662	0.2281	0.2156
132	51.16	0.02	0.0041	0.0021	0.0024	0.9007	0.2677	0.0665	0.0502	0.1513	0.0729	0.2156	0.2260
133	51.35	0.01	0.00578	0.0001	0.0170	0.9000	0.3300	0.0703	0.0496	0.1500	0.0703	0.2260	0.2231
134	51.53	0.00	0.0051	0.0001	0.0132	0.1110	0.2635	0.0705	0.0492	0.1497	0.0725	0.2260	0.2231
135	51.67	0.00	0.0021	0.0057	0.0045	0.2185	0.1724	0.0621	0.0484	0.1522	0.0709	0.2231	0.2205
136	51.85	0.00	0.0023	0.0004	0.0045	0.2245	0.1714	0.0603	0.0495	0.1409	0.0685	0.2205	0.2228
137	52.03	0.02	0.0023	0.0005	0.0025	0.2205	0.1103	0.0653	0.0439	0.1462	0.0660	0.2228	0.2241
138	52.19	0.01	0.00215	0.0004	0.0027	0.2240	0.1250	0.0657	0.0439	0.1492	0.0659	0.2241	

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO			PHI		CNPF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1			142		1.00	1.7	0.00	0.00	0.00	0.00	UNKNOWN	
PLINT	ALPHA	BETA	CNPF1	CNPF2	CNPF3	CNPF4	YCNPF1	YCNPF2	CNPF3	CNPF4	XCNPF2	YCNPF2
139	52.36	-0.00	0.0007	0.0004	0.0002	0.2319	0.1257	0.0718	0.0445	0.1499	0.0662	0.2231
140	52.51	-0.05	0.0013	0.0003	0.0015	0.2319	0.1145	0.0525	0.0451	0.1546	0.0661	0.2265
141	52.70	-0.05	0.0015	0.0003	0.0021	0.2319	0.0999	0.0729	0.0424	0.1521	0.0630	0.2260
142	52.85	-0.05	0.0015	0.0002	0.0004	0.2319	0.0876	0.0676	0.0416	0.1516	0.0626	0.2262
143	53.02	-0.02	0.0015	0.0003	0.0007	0.2319	0.0771	0.0733	0.0402	0.1546	0.0557	0.2256
144	53.17	-0.01	0.0015	0.0002	0.0003	0.2319	0.0657	0.0653	0.0416	0.1567	0.0610	0.2256
145	53.34	-0.02	0.0003	0.0002	0.0002	0.2319	0.0550	0.0674	0.0416	0.1567	0.0605	0.2265
146	53.52	-0.02	0.0005	0.0002	0.0004	0.2319	0.0444	0.0660	0.0436	0.1603	0.0626	0.2263
147	53.68	-0.01	0.0010	0.0002	0.0004	0.2319	0.0350	0.0704	0.0427	0.1542	0.0606	0.2231
148	53.82	-0.01	0.0001	0.0002	0.0002	0.2319	0.0250	0.0695	0.0432	0.1603	0.0621	0.2226
149	53.99	-0.01	0.0003	0.0002	0.0003	0.2319	0.0150	0.0694	0.0414	0.1626	0.0556	0.2244
150	54.15	-0.00	0.0002	0.0002	0.0001	0.2319	0.0050	0.0695	0.0403	0.1656	0.0575	0.2280
151	54.30	-0.01	0.0002	0.0004	0.0003	0.2319	0.0150	0.0695	0.0391	0.1616	0.0561	0.2358
152	54.46	-0.04	0.0005	0.0005	0.0004	0.2319	0.0057	0.0705	0.0381	0.1642	0.0540	0.2358
153	54.63	-0.02	0.0007	0.0007	0.0005	0.2319	0.0150	0.0705	0.0370	0.1705	0.0533	0.2421
154	54.77	-0.02	0.0007	0.0006	0.0006	0.2319	0.0050	0.0705	0.0350	0.1721	0.0505	0.2441
155	54.92	-0.02	0.0006	0.0006	0.0005	0.2319	0.0150	0.0705	0.0340	0.1730	0.0493	0.2452
156	55.09	-0.03	0.0002	0.0006	0.0005	0.2319	0.0050	0.0705	0.0330	0.1756	0.0493	0.2448
157	55.25	-0.04	0.0002	0.0005	0.0005	0.2319	0.0150	0.0711	0.0336	0.1754	0.0472	0.2465
158	55.38	-0.05	0.0002	0.0004	0.0001	0.2319	0.0174	0.0716	0.0332	0.1765	0.0462	0.2456
159	55.54	-0.03	0.0003	0.0004	0.0001	0.2319	0.0150	0.0720	0.0331	0.1776	0.0459	0.2465
160	55.71	-0.04	0.0002	0.0006	0.0004	0.2319	0.0150	0.0716	0.0313	0.1767	0.0436	0.2466
161	55.86	-0.03	0.0006	0.0006	0.0005	0.2319	0.0150	0.0716	0.0293	0.1771	0.0408	0.2465
162	56.02	-0.03	0.0006	0.0001	0.0002	0.2319	0.0150	0.0721	0.0293	0.1805	0.0408	0.2466
163	56.17	-0.05	0.0005	0.0006	0.0005	0.2319	0.0150	0.0721	0.0293	0.1827	0.0384	0.2466
164	56.33	-0.04	0.0006	0.0001	0.0002	0.2319	0.0150	0.0721	0.0293	0.1800	0.0374	0.2457
165	56.53	-0.06	0.0001	0.0003	0.0006	0.2319	0.0117	0.0730	0.0274	0.1816	0.0398	0.2457

PAGE 3 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST POINT MACH ANGLE			PHI CONF		DEL2 DEL3 DEL4		TRANSITION					
1 142 1.00 1.0			0.0 0.00014 C.C		0 -20 0 -20		UNKNOWN					
POINT	ALPHA	DATA	CONF	CONF	CONF	ACPF3	YCPF3	CONF	CONF	CONF	ACPF4	YCPF4
1	-5.82	-0.00	0.00445	5.5555	0.0080	5.5555	0.1790	-1.1032	0.0210	-0.2850	-0.0190	0.2574
2	-5.81	0.01	0.00445	5.5555	0.0080	5.5555	0.1790	-1.1018	0.0210	-0.2850	-0.0193	0.2574
3	-5.81	0.02	0.00445	5.5555	0.0080	5.5555	0.1790	-1.0972	0.0207	-0.2828	-0.0189	0.2577
4	-5.81	0.02	0.00470	5.5555	0.0082	5.5555	0.1795	-1.0996	0.0202	-0.2830	-0.0184	0.2576
5	-5.20	0.02	0.00432	5.5555	0.0074	5.5555	0.1715	-1.0273	0.0223	-0.2668	-0.0217	0.2557
6	-5.20	0.01	0.00415	5.5555	0.0060	5.5555	0.1625	-0.9270	0.0240	-0.2480	-0.0259	0.2673
7	-10.01	0.02	0.00415	5.5555	0.0070	5.5555	0.1802	-0.9201	0.0240	-0.2285	-0.0258	0.2771
8	0.20	0.01	0.00415	5.5555	0.0070	5.5555	0.1802	-0.9202	0.0234	-0.2082	-0.0325	0.2891
9	2.07	0.01	0.00415	5.5555	0.0070	5.5555	0.1802	-0.9175	0.0230	-0.1797	-0.0372	0.2910
10	5.50	0.02	0.00432	5.5555	0.0074	5.5555	0.1944	-0.5193	0.0212	-0.1470	-0.0408	0.2831
11	5.75	0.01	0.00450	5.5555	0.0075	5.5555	0.1593	-0.4149	0.0185	-0.1157	-0.0446	0.2785
12	7.00	0.01	0.00470	5.5555	0.0080	5.5555	0.0571	-0.3277	0.0165	-0.0814	-0.0457	0.2484
13	5.44	0.02	0.00422	5.5555	0.0070	5.5555	0.1479	-0.2417	0.0140	-0.0507	-0.0579	0.2058
14	11.50	0.01	0.00402	5.5555	0.0060	5.5555	0.0370	-0.1557	0.0114	-0.0245	-0.0732	0.1574
15	13.20	0.01	0.00402	5.5555	0.0060	5.5555	0.0291	-0.0980	0.0117	-0.0010	-0.1219	0.0104
16	15.11	0.01	0.00414	5.5555	0.0067	5.5555	0.0238	-0.0472	0.0112	0.0020	-0.2373	-0.5424
17	17.00	0.01	0.00402	5.5555	-0.0020	5.5555	-0.0319	0.0211	0.0110	0.0510	0.5213	2.4171
18	19.00	0.01	0.00412	5.5555	-0.0021	5.5555	-0.0343	0.0050	0.0100	0.0701	0.1270	0.5108
19	20.54	0.01	0.00402	5.5555	0.0003	5.5555	0.0045	0.1397	0.0115	0.0560	0.0823	0.7615
20	22.50	0.00	0.00402	5.5555	0.0004	5.5555	0.0055	0.1601	0.0123	0.1112	0.0883	0.6174
21	24.00	0.00	0.00402	5.5555	0.0021	5.5555	0.0000	0.2176	0.0151	0.1224	0.0694	0.5625
22	26.07	0.03	0.00402	5.5555	0.0021	5.5555	0.1547	0.1900	0.0203	0.1116	0.1032	0.5676
23	28.00	0.06	0.00402	5.5555	0.0020	5.5555	0.1307	0.1982	0.0220	0.1111	0.1110	0.5605
24	28.11	0.06	0.00402	5.5555	0.0020	5.5555	0.1403	0.2139	0.0219	0.1100	0.1024	0.5517
25	28.51	0.07	0.00402	5.5555	0.0015	5.5555	0.1012	0.1990	0.0231	0.1120	0.1181	0.5628
26	28.83	0.07	0.00402	5.5555	0.0012	5.5555	0.1301	0.2077	0.0229	0.1100	0.1102	0.5623
27	29.10	0.07	0.00402	5.5555	0.0013	5.5555	0.1420	0.2173	0.0236	0.1133	0.1086	0.5444
28	29.42	0.07	0.00402	5.5555	0.0013	5.5555	0.1307	0.2210	0.0230	0.1202	0.1065	0.5424
29	29.71	0.07	0.00402	5.5555	0.0013	5.5555	0.1305	0.2257	0.0238	0.1211	0.1054	0.5366
30	29.99	0.07	0.00402	5.5555	0.0012	5.5555	0.1200	0.2330	0.0230	0.1244	0.1021	0.5335
31	30.26	0.08	0.00402	5.5555	0.0012	5.5555	0.1351	0.2340	0.0230	0.1244	0.1068	0.5324
32	30.52	0.07	0.00402	5.5555	0.0010	5.5555	0.1010	0.2402	0.0230	0.1254	0.0982	0.5221
33	30.82	0.09	0.00402	5.5555	0.0010	5.5555	0.1520	0.2254	0.0242	0.1227	0.1073	0.5444
34	31.00	0.00	0.00402	5.5555	0.0004	5.5555	0.1541	0.2393	0.0243	0.1204	0.1024	0.5282
35	31.37	0.08	0.00402	5.5555	0.0010	5.5555	0.1073	0.2425	0.0241	0.1281	0.0954	0.5285
36	31.65	0.06	0.00402	5.5555	0.0010	5.5555	0.1412	0.2704	0.0241	0.1390	0.0872	0.5029
37	31.90	0.04	0.00402	5.5555	0.0010	5.5555	0.1421	0.2733	0.0243	0.1362	0.0858	0.4984
38	32.10	0.05	0.00402	5.5555	0.0010	5.5555	0.1277	0.2800	0.0230	0.1405	0.0902	0.4913
39	32.45	0.02	0.00402	5.5555	0.0000	5.5555	0.1092	0.3078	0.0269	0.1444	0.0874	0.4651
40	32.70	0.03	0.00402	5.5555	0.0004	5.5555	0.1154	0.3174	0.0272	0.1457	0.0857	0.4590
41	32.95	0.02	0.00402	5.5555	0.0071	5.5555	0.0917	0.3445	0.0265	0.1534	0.0781	0.4453
42	33.22	0.02	0.00402	5.5555	0.0004	5.5555	0.1224	0.3407	0.0275	0.1515	0.0867	0.4447
43	33.56	0.03	0.00402	5.5555	0.0074	5.5555	0.0591	0.3180	0.0259	0.1634	0.0884	0.4316
44	33.71	0.02	0.00402	5.5555	0.0002	5.5555	0.0559	0.3052	0.0265	0.1555	0.0736	0.4367
45	33.97	0.04	0.00402	5.5555	0.0010	5.5555	0.1451	0.3779	0.0270	0.1641	0.0714	0.4342
46	34.22	0.04	0.00402	5.5555	0.0007	5.5555	0.1207	0.3003	0.0273	0.1591	0.0745	0.4343

PAGE 2 OF 3
 SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH WALT-6			PHI CONF		DEL1 DEL2 DEL3 DEL4 TRANSITION							
7 142 1.00 1.7			C.C 310CF14 0.0		U -20 0 -20 UNKNOWN							
FLINT	ALPHA	BETA	CONF1	CH1	CONF2	ACPF1	YCPF1	CONF2	CH2	CONF2	ACPF2	YCPF2
47	34.47	0.04	0.1722	-0.0040	0.0045	-0.00267	0.4707	0.5250	0.0271	0.1448	0.0516	0.2755
48	34.71	0.04	0.1724	-0.0048	0.0034	-0.00360	0.5502	0.5214	0.0280	0.1424	0.0531	0.2741
49	34.97	0.06	0.1753	-0.0064	0.0045	-0.00305	0.5277	0.5351	0.0274	0.1455	0.0512	0.2754
50	35.23	0.05	0.2285	-0.0062	0.0065	-0.00271	0.4746	0.5432	0.0276	0.1523	0.0506	0.2804
51	35.49	0.05	0.2243	-0.0058	0.0015	-0.00240	0.4332	0.5512	0.0267	0.1542	0.0521	0.2752
52	35.65	0.06	0.2764	-0.0064	0.0230	-0.00231	0.4442	0.5622	0.0283	0.1583	0.0503	0.2816
53	35.93	0.06	0.2314	-0.0035	0.0017	-0.00151	0.4345	0.5592	0.0301	0.1561	0.0538	0.2791
54	36.15	0.04	0.1343	-0.0022	0.0012	-0.00128	0.3340	0.5527	0.0312	0.1552	0.0564	0.2808
55	36.40	0.04	0.2399	-0.0027	0.0000	-0.00113	0.4414	0.5715	0.0335	0.1616	0.0533	0.2826
56	36.64	0.05	0.1465	-0.0002	0.0013	-0.0014	0.3147	0.5677	0.0311	0.1602	0.0546	0.2822
57	36.80	0.06	0.2222	-0.0013	0.0022	-0.00057	0.4545	0.5620	0.0321	0.1588	0.0571	0.2826
58	37.13	0.06	0.1512	-0.0013	0.0007	-0.00099	0.3573	0.5768	0.0303	0.1633	0.0523	0.2821
59	37.34	0.04	0.1381	-0.0013	0.0012	-0.00099	0.3161	0.5731	0.0315	0.1624	0.0550	0.2834
60	37.56	0.04	0.1770	-0.0014	0.0044	-0.00107	0.4775	0.5639	0.0314	0.1686	0.0546	0.2853
61	37.82	0.05	0.1537	-0.0032	0.0046	-0.00208	0.4354	0.5563	0.0314	0.1708	0.0527	0.2864
62	38.05	0.04	0.1508	-0.0033	0.0012	-0.00210	0.4477	0.6005	0.0314	0.1707	0.0523	0.2843
63	38.27	0.07	0.1610	-0.0036	0.0006	-0.00224	0.4750	0.5434	0.0327	0.1691	0.0551	0.2850
64	38.51	0.03	0.1213	-0.0001	0.0000	-0.00003	0.4304	0.6224	0.0300	0.1501	0.0495	0.2854
65	38.73	0.05	0.1357	-0.0007	0.0004	-0.00020	0.4893	0.6077	0.0326	0.1742	0.0536	0.2867
66	38.93	0.05	0.1117	-0.0010	0.0005	-0.00027	0.4403	0.6174	0.0322	0.1777	0.0521	0.2876
67	39.10	0.04	0.1226	-0.0004	0.0005	-0.00057	0.4443	0.6312	0.0312	0.1826	0.0454	0.2893
68	39.39	0.05	0.1273	-0.0012	0.0007	-0.00060	0.4317	0.6202	0.0324	0.1814	0.0524	0.2888
69	39.53	0.06	0.1320	-0.0013	0.0005	-0.00052	0.4506	0.6412	0.0330	0.1834	0.0515	0.2851
70	39.81	0.06	0.1404	-0.0014	0.0011	-0.00097	0.4332	0.6423	0.0345	0.1861	0.0537	0.2857
71	40.01	0.06	0.1358	-0.0013	0.0000	-0.00108	0.4425	0.6614	0.0342	0.1937	0.0517	0.2925
72	40.20	0.04	0.1245	-0.0014	0.0002	-0.00103	0.4254	0.6616	0.0330	0.1921	0.0506	0.2904
73	40.42	0.06	0.1083	-0.0014	0.0001	-0.00104	0.4040	0.6477	0.0364	0.1876	0.0553	0.2896
74	40.61	0.05	0.1004	-0.0010	0.0000	-0.00090	0.3769	0.6474	0.0396	0.1861	0.0615	0.2875
75	40.84	0.05	0.1540	-0.0018	0.0005	-0.00121	0.3351	0.6727	0.0367	0.1981	0.0545	0.2915
76	41.05	0.04	0.1372	-0.0017	0.0004	-0.00126	0.3902	0.6730	0.0362	0.1956	0.0507	0.2906
77	41.24	0.04	0.1380	-0.0015	0.0005	-0.00125	0.3783	0.6767	0.0382	0.1969	0.0563	0.2901
78	41.40	0.04	0.1253	-0.0013	0.0004	-0.00124	0.3930	0.6426	0.0375	0.2013	0.0541	0.2906
79	41.64	0.03	0.1230	-0.0014	0.0005	-0.00121	0.4106	0.6553	0.0376	0.2021	0.0544	0.2907
80	41.84	0.04	0.1249	-0.0016	0.0004	-0.00113	0.3915	0.6040	0.0396	0.1904	0.0575	0.2871
81	42.04	0.05	0.1277	-0.0017	0.0005	-0.00102	0.3535	0.6614	0.0426	0.1882	0.0644	0.2845
82	42.22	0.04	0.1304	-0.0017	0.0005	-0.00127	0.3000	0.6705	0.0424	0.1912	0.0632	0.2852
83	42.50	0.04	0.1343	-0.0018	0.0005	-0.001357	0.3765	0.6100	0.0437	0.1885	0.0747	0.2732
84	42.68	0.04	0.1349	-0.0017	0.0005	-0.001304	0.3931	0.6443	0.0453	0.1803	0.0703	0.2756
85	42.86	0.04	0.1386	-0.0018	0.0002	-0.001297	0.3761	0.6624	0.0443	0.1856	0.0665	0.2762
86	43.04	0.02	0.1414	-0.0018	0.0003	-0.001180	0.3812	0.6574	0.0453	0.1822	0.0647	0.2772
87	43.22	0.04	0.1509	-0.0018	0.0007	-0.001173	0.3506	0.6504	0.0460	0.1815	0.0701	0.2771
88	43.41	0.04	0.1642	-0.0020	0.0011	-0.001273	0.3477	0.6334	0.0489	0.1716	0.0769	0.2701
89	43.59	0.03	0.1476	-0.0017	0.0005	-0.001155	0.3772	0.6308	0.0486	0.1737	0.0764	0.2715
90	43.75	0.05	0.1476	-0.0018	0.0006	-0.001008	0.3046	0.6724	0.0460	0.1930	0.0684	0.2760
91	43.93	0.05	0.1505	-0.0017	0.0005	-0.001105	0.3521	0.6732	0.0473	0.1625	0.0706	0.2725
92	44.11	0.02	0.1501	-0.0018	0.0004	-0.001105	0.3504	0.6358	0.0446	0.1702	0.0760	0.2677

PAGE 3 OF 3
SHEET 2 OF 4

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RAIO-E				PHI	CCAF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 142 1.00 1.7				C.C	BANGF14	U.C	0	-20	0	-20	UNKNOWN	
FLIGHT	ALPHA	BETA	CMF3	CM3	CM5	XCPE3	YCPF3	CAF4	CH4	CD4	ALPF4	YCPF4
47	34.47	0.04	0.0555	0.0555	0.0555	0.0555	0.1347	0.3779	0.0270	0.1641	0.0714	0.4342
48	34.71	0.04	0.0555	0.0555	0.0555	0.0555	0.1193	0.3001	0.0273	0.1664	0.0707	0.4310
49	34.97	0.06	0.0555	0.0555	0.0555	0.0555	0.1375	0.3070	0.0270	0.1674	0.0696	0.4317
50	35.20	0.05	0.0555	0.0555	0.0555	0.0555	0.1522	0.3030	0.0277	0.1657	0.0723	0.4320
51	35.43	0.05	0.0555	0.0555	0.0555	0.0555	0.1394	0.3070	0.0280	0.1661	0.0723	0.4262
52	35.64	0.06	0.0555	0.0555	0.0555	0.0555	0.1517	0.3050	0.0276	0.1644	0.0715	0.4272
53	35.83	0.06	0.0555	0.0555	0.0555	0.0555	0.1634	0.3033	0.0287	0.1688	0.0725	0.4290
54	36.15	0.04	0.0555	0.0555	0.0555	0.0555	0.1651	0.4096	0.0304	0.1726	0.0742	0.4214
55	36.40	0.04	0.0555	0.0555	0.0555	0.0555	0.1520	0.3920	0.0303	0.1682	0.0771	0.4282
56	36.64	0.05	0.0555	0.0555	0.0555	0.0555	0.1605	0.4001	0.0314	0.1715	0.0773	0.4223
57	36.86	0.06	0.0555	0.0555	0.0555	0.0555	0.1358	0.4004	0.0310	0.1715	0.0763	0.4220
58	37.13	0.06	0.0555	0.0555	0.0555	0.0555	0.1716	0.4050	0.0321	0.1715	0.0763	0.4185
59	37.34	0.04	0.0555	0.0555	0.0555	0.0555	0.1449	0.4074	0.0327	0.1709	0.0802	0.4190
60	37.50	0.04	0.0555	0.0555	0.0555	0.0555	0.1672	0.4100	0.0337	0.1713	0.0822	0.4178
61	37.62	0.05	0.0555	0.0555	0.0555	0.0555	0.1340	0.4170	0.0340	0.1731	0.0828	0.4143
62	38.05	0.04	0.0555	0.0555	0.0555	0.0555	0.1659	0.4203	0.0350	0.1724	0.0833	0.4102
63	38.27	0.07	0.0555	0.0555	0.0555	0.0555	0.2100	0.4400	0.0343	0.1605	0.0778	0.4057
64	38.51	0.03	0.0555	0.0555	0.0555	0.0555	0.1407	0.4223	0.0300	0.1712	0.0852	0.4054
65	38.73	0.05	0.0555	0.0555	0.0555	0.0555	0.1790	0.4271	0.0300	0.1727	0.0843	0.4044
66	38.93	0.05	0.0555	0.0555	0.0555	0.0555	0.1500	0.4337	0.0300	0.1735	0.0844	0.4010
67	39.10	0.04	0.0555	0.0555	0.0555	0.0555	0.1603	0.4220	0.0370	0.1694	0.0877	0.4014
68	39.34	0.05	0.0555	0.0555	0.0555	0.0555	0.1594	0.4293	0.0307	0.1715	0.0855	0.3995
69	39.58	0.06	0.0555	0.0555	0.0555	0.0555	0.2400	0.4430	0.0372	0.1744	0.0838	0.3931
70	39.81	0.06	0.0555	0.0555	0.0555	0.0555	0.2210	0.4414	0.0375	0.1730	0.0848	0.3933
71	40.07	0.06	0.0555	0.0555	0.0555	0.0555	0.2303	0.4532	0.0375	0.1757	0.0827	0.3877
72	40.20	0.04	0.0555	0.0555	0.0555	0.0555	0.2229	0.4490	0.0303	0.1730	0.0851	0.3846
73	40.42	0.06	0.0555	0.0555	0.0555	0.0555	0.2329	0.4722	0.0375	0.1796	0.0834	0.3808
74	40.61	0.05	0.0555	0.0555	0.0555	0.0555	0.2246	0.4630	0.0374	0.1633	0.0773	0.3790
75	40.84	0.05	0.0555	0.0555	0.0555	0.0555	0.2571	0.4691	0.0397	0.1775	0.0845	0.3784
76	41.05	0.04	0.0555	0.0555	0.0555	0.0555	0.2407	0.4603	0.0413	0.1807	0.0849	0.3716
77	41.24	0.04	0.0555	0.0555	0.0555	0.0555	0.2302	0.4608	0.0414	0.1809	0.0850	0.3716
78	41.40	0.04	0.0555	0.0555	0.0555	0.0555	0.2332	0.4529	0.0420	0.1822	0.0866	0.3696
79	41.64	0.03	0.0555	0.0555	0.0555	0.0555	0.2033	0.4516	0.0445	0.1770	0.0824	0.3675
80	41.84	0.04	0.0555	0.0555	0.0555	0.0555	0.2475	0.4613	0.0449	0.1771	0.0833	0.3680
81	42.04	0.05	0.0555	0.0555	0.0555	0.0555	0.2715	0.5010	0.0443	0.1821	0.0883	0.3630
82	42.32	0.04	0.0555	0.0555	0.0555	0.0555	0.2945	0.5024	0.0449	0.1817	0.0913	0.3617
83	42.50	0.04	0.0555	0.0555	0.0555	0.0555	0.2799	0.5351	0.0474	0.1937	0.0768	0.3593
84	42.68	0.04	0.0555	0.0555	0.0555	0.0555	0.2047	0.5040	0.0447	0.1824	0.0887	0.3629
85	42.86	0.04	0.0555	0.0555	0.0555	0.0555	0.2756	0.5048	0.0455	0.1810	0.0901	0.3586
86	43.04	0.02	0.0555	0.0555	0.0555	0.0555	0.3123	0.5075	0.0404	0.1811	0.0914	0.3568
87	43.22	0.04	0.0555	0.0555	0.0555	0.0555	0.3179	0.5057	0.0405	0.1808	0.0918	0.3568
88	43.41	0.04	0.0555	0.0555	0.0555	0.0555	0.3157	0.5277	0.0450	0.1800	0.0853	0.3540
89	43.59	0.05	0.0555	0.0555	0.0555	0.0555	0.2998	0.5129	0.0425	0.1820	0.0906	0.3548
90	43.75	0.05	0.0555	0.0555	0.0555	0.0555	0.3042	0.5013	0.0407	0.1774	0.0971	0.3535
91	43.95	0.05	0.0555	0.0555	0.0555	0.0555	0.3134	0.5052	0.0439	0.1760	0.0938	0.3464
92	44.11	0.02	0.0555	0.0555	0.0555	0.0555	0.3226	0.5125	0.0407	0.1782	0.0950	0.3477

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACT RATIO-C			PHI CONF		L		DEL1 DEL2 DEL3		DEL4 TRANSITION		
7			442 1.00 1.7		0.0 3100F14 0.0		0 -20 0 -20		UNKNOWN		
FLINT	ALPHA	BETA	CONF3	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF
93	44.32	0.03	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475
94	44.50	0.04	0.0480	0.0480	0.0480	0.0480	0.0480	0.0480	0.0480	0.0480	0.0480
95	44.69	0.03	0.0503	0.0503	0.0503	0.0503	0.0503	0.0503	0.0503	0.0503	0.0503
96	44.60	0.04	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554	0.0554
97	45.00	0.02	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440
98	45.45	0.02	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505
99	45.42	0.01	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514	0.0514
100	45.61	0.02	0.0504	0.0504	0.0504	0.0504	0.0504	0.0504	0.0504	0.0504	0.0504
101	45.70	0.01	0.0425	0.0425	0.0425	0.0425	0.0425	0.0425	0.0425	0.0425	0.0425
102	45.55	0.02	0.0552	0.0552	0.0552	0.0552	0.0552	0.0552	0.0552	0.0552	0.0552
103	46.14	0.01	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433
104	46.31	0.01	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435
105	46.47	0.02	0.0414	0.0414	0.0414	0.0414	0.0414	0.0414	0.0414	0.0414	0.0414
106	46.50	0.01	0.0414	0.0414	0.0414	0.0414	0.0414	0.0414	0.0414	0.0414	0.0414
107	46.64	0.02	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440
108	47.00	0.00	0.0520	0.0520	0.0520	0.0520	0.0520	0.0520	0.0520	0.0520	0.0520
109	47.16	0.01	0.0477	0.0477	0.0477	0.0477	0.0477	0.0477	0.0477	0.0477	0.0477
110	47.30	0.01	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435
111	47.55	0.01	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435
112	47.71	0.01	0.0522	0.0522	0.0522	0.0522	0.0522	0.0522	0.0522	0.0522	0.0522
113	47.90	0.05	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523
114	48.06	0.01	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523
115	48.20	0.04	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512
116	48.40	0.04	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500
117	48.53	0.02	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512
118	48.80	0.05	0.0527	0.0527	0.0527	0.0527	0.0527	0.0527	0.0527	0.0527	0.0527
119	48.94	0.03	0.0536	0.0536	0.0536	0.0536	0.0536	0.0536	0.0536	0.0536	0.0536
120	49.15	0.01	0.0537	0.0537	0.0537	0.0537	0.0537	0.0537	0.0537	0.0537	0.0537
121	49.32	0.01	0.0488	0.0488	0.0488	0.0488	0.0488	0.0488	0.0488	0.0488	0.0488
122	49.51	0.00	0.0522	0.0522	0.0522	0.0522	0.0522	0.0522	0.0522	0.0522	0.0522
123	49.70	0.00	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500
124	49.87	0.01	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523
125	50.04	0.01	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525
126	50.23	0.02	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521
127	50.40	0.01	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512
128	50.57	0.02	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521
129	50.73	0.02	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438
130	50.88	0.01	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510	0.0510
131	51.06	0.00	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500
132	51.10	0.02	0.0401	0.0401	0.0401	0.0401	0.0401	0.0401	0.0401	0.0401	0.0401
133	51.35	0.01	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500
134	51.53	0.00	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500
135	51.69	0.00	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438
136	51.85	0.00	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
137	52.03	0.02	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435
138	52.19	0.01	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525	0.0525

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		NOISE		CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
1		142		1.00		1.7		0.0		-20		0		-20		UNKNOWN	
POINT	ALPHA	BETA	CNF3	CM3	CO3	XCFF3	YCPF3	CNF4	CM4	CO4	XCFF4	YCPF4					
139	52.36	-0.00	0.0528	5.9999	0.0115	5.9999	0.2108	0.6315	0.0510	0.1687	0.0807	0.2671					
140	52.51	-0.05	0.0538	5.9999	0.0116	5.9999	0.2244	0.6242	0.0514	0.1672	0.0823	0.2676					
141	52.70	-0.05	0.0543	5.9999	0.0117	5.9999	0.2391	0.6328	0.0503	0.1688	0.0795	0.2668					
142	52.80	-0.05	0.0548	5.9999	0.0118	5.9999	0.2353	0.6256	0.0520	0.1666	0.0831	0.2662					
143	53.02	-0.02	0.0544	5.9999	0.0091	5.9999	0.1961	0.6248	0.0498	0.1670	0.0797	0.2673					
144	53.17	-0.01	0.0535	5.9999	0.0095	5.9999	0.2255	0.6346	0.0506	0.1666	0.0800	0.2657					
145	53.34	-0.02	0.0541	5.9999	0.0101	5.9999	0.2519	0.6433	0.0496	0.1714	0.0755	0.2664					
146	53.52	-0.02	0.0550	5.9999	0.0075	5.9999	0.1923	0.6493	0.0491	0.1726	0.0756	0.2649					
147	53.66	-0.01	0.0545	5.9999	0.0077	5.9999	0.2098	0.6534	0.0474	0.1740	0.0725	0.2663					
148	53.82	-0.01	0.0545	5.9999	0.0067	5.9999	0.2096	0.6493	0.0484	0.1705	0.0752	0.2650					
149	53.99	-0.01	0.0545	5.9999	0.0101	5.9999	0.2172	0.6455	0.0455	0.1726	0.0704	0.2673					
150	54.15	-0.00	0.0545	5.9999	0.0092	5.9999	0.1921	0.6421	0.0447	0.1711	0.0696	0.2665					
151	54.30	-0.01	0.0542	5.9999	0.0055	5.9999	0.2102	0.6478	0.0433	0.1726	0.0688	0.2664					
152	54.46	-0.04	0.0544	5.9999	0.0062	5.9999	0.2224	0.6392	0.0406	0.1723	0.0635	0.2696					
153	54.63	-0.02	0.0542	5.9999	0.0055	5.9999	0.2102	0.6632	0.0405	0.1782	0.0611	0.2687					
154	54.77	-0.02	0.0543	5.9999	0.0100	5.9999	0.2289	0.6607	0.0391	0.1786	0.0592	0.2703					
155	54.92	-0.02	0.0543	5.9999	0.0085	5.9999	0.2032	0.6604	0.0383	0.1787	0.0580	0.2706					
156	55.09	-0.03	0.0542	5.9999	0.0064	5.9999	0.2692	0.6504	0.0361	0.1745	0.0546	0.2726					
157	55.23	-0.04	0.0542	5.9999	0.0056	5.9999	0.2306	0.6535	0.0371	0.1778	0.0568	0.2721					
158	55.38	-0.05	0.0543	5.9999	0.0101	5.9999	0.2161	0.6577	0.0392	0.1798	0.0535	0.2734					
159	55.54	-0.03	0.0550	5.9999	0.0055	5.9999	0.1980	0.6632	0.0381	0.1808	0.0544	0.2726					
160	55.71	-0.04	0.0544	5.9999	0.0116	5.9999	0.2447	0.6592	0.0391	0.1800	0.0517	0.2731					
161	55.86	-0.03	0.0547	5.9999	0.0085	5.9999	0.2037	0.6532	0.0348	0.1751	0.0530	0.2742					
162	56.02	-0.03	0.0546	5.9999	0.0106	5.9999	0.2477	0.6603	0.0340	0.1825	0.0510	0.2739					
163	56.17	-0.05	0.0545	5.9999	0.0069	5.9999	0.1918	0.6635	0.0329	0.1845	0.0492	0.2760					
164	56.33	-0.04	0.0542	5.9999	0.0115	5.9999	0.2324	0.6603	0.0331	0.1830	0.0495	0.2738					
165	56.53	-0.06	0.0543	5.9999	0.0056	5.9999	0.2243	0.6705	0.0353	0.1841	0.0522	0.2721					

PAGE 1 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH #X10-6 PH1 CONF L CEL1 CEL2 CEL3 CEL4 TRANSITION
7 143 1.10 1.7 C.C. 010CF14 C.C. U -20 J -20 UNKNOWN

FCINT	ALPHA	BETA	CN	CLM	CY	CLL	CLL	CA	LAC	CAF	XCP
1	-5.78	0.00	-1.9536	2.8813	0.0235	-0.0827	0.0018	0.5504	0.3035	0.6469	-3.4200
2	-5.78	0.01	-1.9641	2.7124	0.0036	-0.0345	-0.0037	0.5507	0.3025	0.6482	-3.3631
3	-5.78	0.02	-1.9918	2.6742	0.0378	-0.0302	-0.0036	0.5533	0.3025	0.6508	-3.4195
4	-5.77	0.02	-1.9457	2.6560	0.0751	-0.1009	0.0019	0.5529	0.3035	0.6524	-3.4354
5	-5.63	0.00	-1.8551	2.5544	-0.0361	0.0485	-0.0036	0.5573	0.3000	0.6573	-3.4724
6	-4.60	0.02	-1.6243	2.0686	0.0202	-0.0125	0.0025	0.5258	0.3011	0.6247	-3.7483
7	-2.29	0.01	-1.3060	1.5507	0.0065	-0.0170	0.0029	0.5842	0.2973	0.5869	-4.0253
8	-0.45	0.01	-1.0026	1.0553	0.0457	-0.0825	0.0035	0.6239	0.2762	0.5497	-4.5220
9	17.38	0.01	-0.8187	4.3274	0.0451	-0.0425	0.0039	0.7882	0.2746	0.5136	-5.2855
10	3.33	0.01	-0.5427	3.7092	0.0009	-0.0008	0.0040	0.7042	0.2676	0.4765	-6.5824
11	5.10	0.00	-0.2516	3.2455	-0.0472	0.0460	0.0048	0.7335	0.2535	0.4400	-11.1256
12	7.01	0.02	-0.0073	2.7025	0.0451	-0.0338	0.0055	0.6955	0.3007	0.3940	-370.0168
13	8.86	0.01	0.2563	2.1433	0.0386	0.0045	0.0061	0.6648	0.3146	0.3503	7.1860
14	10.77	0.01	0.6120	1.5744	-0.0225	0.0501	0.0008	0.6330	0.3270	0.3061	2.5725
15	12.60	0.01	0.9134	1.1750	0.0053	0.0751	0.0075	0.6034	0.3345	0.2685	1.2865
16	14.54	0.01	1.2077	0.6776	-0.1403	0.2385	0.0061	0.5791	0.3407	0.2384	0.7225
17	16.56	0.01	1.5572	0.7073	-0.0758	0.3247	0.0036	0.5442	0.3469	0.1973	0.4542
18	18.55	0.01	1.8753	0.4375	-0.0186	0.4378	0.0041	0.5095	0.3541	0.1558	0.2355
19	20.52	0.00	2.2327	0.3305	-0.0351	0.7134	-0.0111	0.4634	0.3599	0.1265	0.1491
20	22.54	0.00	2.5433	0.2354	-0.0231	0.4718	-0.0101	0.4237	0.3481	0.0750	0.0800
21	24.53	-0.00	3.5402	0.2497	-0.0200	0.6290	-0.0381	0.3947	0.3501	0.0466	0.0606
22	26.51	0.05	4.2345	0.3714	0.4522	-0.5003	0.3703	0.3605	0.3508	0.0157	0.0877
23	28.10	0.05	4.6255	0.4028	0.6854	-1.1120	0.0033	0.3513	0.3556	-0.0043	0.0870
24	28.13	0.00	4.6506	0.2777	0.6405	-1.3230	0.0030	0.3451	0.3550	-0.0049	0.0592
25	28.53	0.04	4.8124	0.2765	0.3553	-0.7583	0.0829	0.3518	0.3505	0.0013	0.0575
26	28.78	0.04	4.8572	0.3314	0.3703	-0.7212	0.0726	0.3423	0.3542	-0.0115	0.0677
27	29.09	0.02	5.0374	0.2646	0.0558	-0.1261	0.0456	0.3347	0.3577	-0.0230	0.0526
28	29.44	0.04	5.1743	0.2478	0.3053	-0.4458	0.0674	0.3306	0.3573	-0.0267	0.0479
29	29.72	0.05	5.2854	0.1860	0.5240	-0.8573	0.0903	0.3276	0.3621	-0.0345	0.0352
30	30.00	0.04	5.3487	0.1112	0.4255	-0.9353	0.1065	0.3340	0.3672	-0.0326	0.0208
31	30.28	0.05	5.4655	0.0442	0.3408	-0.6326	0.0746	0.3257	0.3711	-0.0454	0.0081
32	30.56	0.06	5.7003	-0.2365	0.3005	-0.5038	0.0410	0.3244	0.3772	-0.0528	-0.0045
33	30.84	0.05	5.8134	-0.2331	0.3750	-0.2442	0.0854	0.3008	0.3779	-0.0771	-0.0401
34	31.11	0.04	5.6485	-0.2514	0.2564	0.0670	0.0739	0.3105	0.3765	-0.0660	-0.0430
35	31.40	0.04	5.9508	-0.2232	0.2703	0.1405	0.0476	0.3110	0.3789	-0.0675	-0.0372
36	31.68	0.03	6.1233	-0.2582	0.2085	0.0070	0.0699	0.2939	0.3752	-0.0813	-0.0487
37	31.95	0.04	6.2424	-0.3770	0.3532	-0.4202	0.0321	0.2847	0.3765	-0.0921	-0.0604
38	32.22	0.04	6.3227	-0.4187	0.2802	-0.4300	0.0767	0.2853	0.3766	-0.0952	-0.0658
39	32.48	0.02	6.3582	-0.3352	0.0381	0.1413	0.0389	0.2696	0.3765	-0.0809	-0.0530
40	32.75	0.02	6.5165	-0.3530	0.0717	0.1943	0.0454	0.2767	0.3785	-0.1018	-0.0559
41	33.00	0.03	6.6122	-0.0007	0.2627	-0.2327	0.0330	0.2918	0.3735	-0.0805	-0.0509
42	33.27	0.01	6.6212	-0.7240	0.0391	0.2355	0.0769	0.2724	0.3815	-0.1091	-0.1062
43	33.52	0.02	6.5483	-0.7083	0.1010	0.3457	0.0821	0.2572	0.3823	-0.1251	-0.1019
44	33.76	0.03	6.5725	-0.7510	0.1755	0.3300	0.0715	0.2630	0.3832	-0.1202	-0.1134
45	34.06	0.03	7.1343	-0.5540	0.1727	0.1522	0.0991	0.2653	0.3918	-0.1265	-0.1337
46	34.28	0.01	7.3188	-0.5833	-0.0465	0.7407	0.0003	0.2603	0.3909	-0.1306	-0.1344

PAGE 1 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	ALIC-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		143	1.10	1.7	0.0	0.0014	0.0	0	-20	0	-20	UNKNOWN
FLINT	ALPHA	BETA	CLN	CLM	CLY	CLN	CLL	CA	CAB	CAF	XCP	
47	34.55	0.04	7.3833	-1.1045	0.2472	0.1206	0.1211	0.2707	0.3925	-0.1218	-0.1496	
48	34.74	0.02	7.4013	-1.1030	0.1400	0.1123	0.1109	0.2667	0.3965	-0.1298	-0.1450	
49	35.03	0.02	7.5577	-1.2294	0.0660	0.3084	0.1003	0.2575	0.3908	-0.1333	-0.1618	
50	35.29	0.02	7.7205	-1.2470	0.0910	0.3729	0.0951	0.2410	0.3941	-0.1531	-0.1615	
51	35.53	0.03	7.7475	-1.2677	0.2697	0.1308	0.1013	0.2401	0.3972	-0.1511	-0.1626	
52	35.77	0.03	7.8695	-1.3344	0.1699	0.3055	0.0796	0.2206	0.3969	-0.1683	-0.1696	
53	35.99	0.02	7.9541	-1.0156	0.1845	0.2741	0.1330	0.2458	0.3979	-0.1321	-0.2036	
54	36.24	0.03	8.1230	-1.0160	0.2504	0.1631	0.1498	0.2495	0.4020	-0.1525	-0.2235	
55	36.48	0.01	8.1563	-1.0383	0.0684	0.3656	0.1020	0.2073	0.3931	-0.1658	-0.1959	
56	36.71	0.01	8.2701	-1.1046	-0.0047	0.4729	0.0607	0.2117	0.3941	-0.1824	-0.2061	
57	36.96	0.02	8.4420	-1.0611	0.0725	0.4550	0.1128	0.2017	0.3912	-0.1895	-0.2204	
58	37.20	0.00	8.5063	-1.0522	-0.0721	0.4012	0.1035	0.2124	0.3855	-0.1731	-0.2177	
59	37.43	0.01	8.5403	-1.0757	0.0736	0.3770	0.0785	0.2243	0.3930	-0.1667	-0.2318	
60	37.67	0.02	8.6622	-2.0028	0.1034	0.1694	0.0994	0.1906	0.3872	-0.1966	-0.2306	
61	37.92	0.02	8.6109	-2.1760	0.1035	0.2544	0.1154	0.2036	0.3876	-0.1658	-0.2470	
62	38.13	0.01	8.6135	-2.1000	-0.1745	0.4032	0.0637	0.1837	0.3852	-0.2015	-0.2383	
63	38.41	0.02	8.9430	-2.2052	0.0802	0.2304	0.0606	0.1694	0.3831	-0.2137	-0.2450	
64	38.64	0.02	9.1158	-2.3467	0.0372	0.4115	0.1001	0.1613	0.3831	-0.2218	-0.2576	
65	38.87	0.01	9.1855	-2.3371	-0.0047	0.4705	0.0542	0.1658	0.3801	-0.2143	-0.2549	
66	39.07	0.02	9.1940	-2.4044	0.0235	0.6107	0.1046	0.1674	0.3641	-0.2167	-0.2703	
67	39.33	0.00	9.3548	-2.5535	-0.1145	0.4053	0.0500	0.1500	0.3570	-0.2204	-0.2730	
68	39.55	0.01	9.4302	-2.6537	0.0920	0.1534	0.0650	0.1642	0.3709	-0.2667	-0.2812	
69	39.75	0.01	9.5211	-2.7185	-0.1015	0.2373	0.0756	0.1405	0.3766	-0.2301	-0.2855	
70	40.01	0.02	9.6701	-2.9171	-0.2314	0.0176	0.0302	0.1250	0.3658	-0.2448	-0.3014	
71	40.21	0.00	9.7305	-2.9181	-0.0736	0.2055	0.0607	0.1366	0.3665	-0.2294	-0.2997	
72	40.42	0.01	9.8713	-3.0600	0.0142	0.0223	0.0350	0.1272	0.3702	-0.2430	-0.3121	
73	40.62	0.01	9.9559	-3.0501	-0.1103	0.0670	0.0015	0.0947	0.3633	-0.2665	-0.3104	
74	40.83	0.01	10.0899	-3.0831	0.0053	0.1091	0.0017	0.1021	0.3575	-0.2554	-0.3254	
75	41.06	0.01	10.1302	-3.3577	-0.7336	0.5539	0.0000	0.0734	0.3575	-0.2640	-0.3296	
76	41.23	0.02	10.1670	-3.4733	0.0939	0.0514	0.0006	0.1057	0.3702	-0.2645	-0.3416	
77	41.47	0.01	10.3753	-3.5821	0.0154	0.0125	0.0052	0.0076	0.3562	-0.2603	-0.3453	
78	41.67	0.01	10.3855	-3.9080	0.0140	0.0479	0.0015	0.0743	0.3534	-0.2790	-0.3378	
79	41.85	0.00	10.4500	-3.8083	-0.0151	0.0071	0.0011	0.0777	0.3552	-0.2774	-0.3470	
80	42.07	0.01	10.6353	-3.3434	-0.1225	0.1042	0.0010	0.0345	0.3456	-0.2911	-0.3614	
81	42.26	0.01	10.6742	-3.7311	-0.1025	0.7424	0.0501	0.0502	0.3453	-0.2991	-0.3455	
82	42.48	0.02	10.7503	-3.3063	-0.2478	0.9040	0.0005	0.0300	0.3480	-0.3100	-0.3603	
83	42.64	0.01	10.8057	-3.6414	-0.2345	1.2349	0.0391	0.0231	0.3474	-0.3263	-0.3581	
84	42.83	0.02	10.9483	-4.1672	-0.4100	1.9757	0.0201	0.0313	0.3552	-0.3179	-0.3825	
85	43.01	0.02	10.9400	-3.7853	-0.2337	1.0076	0.0404	0.0230	0.3398	-0.3163	-0.3626	
86	43.18	0.01	10.9955	-3.0088	-0.2012	2.0732	-0.0055	0.0471	0.3385	-0.2914	-0.3352	
87	43.37	0.00	11.1549	-4.0064	-0.4136	0.9738	0.0062	0.0116	0.3227	-0.3111	-0.3592	
88	43.55	0.02	11.1750	-3.9450	-0.1511	0.6099	0.0319	0.0011	0.3207	-0.3218	-0.3575	
89	43.73	0.02	11.2032	-4.0078	-0.0027	0.7151	0.0317	0.0135	0.3169	-0.3304	-0.3585	
90	43.92	0.01	11.3560	-4.1192	-0.0204	0.0516	0.0344	0.0147	0.3100	-0.3205	-0.3627	
91	44.09	0.01	11.4106	-4.0790	-0.0154	0.0107	0.0349	0.0170	0.3075	-0.3249	-0.3575	
92	44.27	0.03	11.4607	-4.1028	-0.0300	0.0047	0.0104	0.0156	0.3060	-0.3222	-0.3571	

PAGE 1 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACT XXIC-6			PHI	CGNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 143 1.10 1.7			G.C	B10CF14	G.O	0	-2J	0	-20	UNKNOWN	
PLANT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAE	CAF	XCP
93	44.47	-0.02	11.4856	-4.0523	-0.0395	0.4019	0.0284	-0.0323	0.3011	-0.3334	-0.3568
94	44.63	-0.03	11.5178	-4.0565	-0.0397	0.4214	0.0220	-0.0338	0.3022	-0.3360	-0.3557
95	44.62	-0.03	11.5653	-4.0510	-0.0327	0.4202	0.0272	-0.0242	0.2987	-0.3229	-0.3455
96	45.02	-0.02	11.7177	-4.1081	-0.0705	0.4586	0.0297	-0.0401	0.2925	-0.3406	-0.3508
97	45.20	-0.02	11.7524	-3.9958	-0.0275	0.4529	0.0123	-0.0463	0.2929	-0.3352	-0.3352
98	45.37	0.01	11.8154	-3.9358	0.1881	-0.1099	0.0475	-0.0574	0.2905	-0.3479	-0.3330
99	45.55	-0.03	11.8263	-3.9666	-0.0288	0.4631	0.0011	-0.0437	0.2905	-0.3342	-0.3354
100	45.74	-0.02	11.8520	-3.9741	-0.1720	1.1245	-0.0042	-0.0301	0.2889	-0.3271	-0.3100
101	45.61	-0.03	11.8902	-3.7528	-0.2883	1.2822	-0.0037	-0.0325	0.2904	-0.3229	-0.3156
102	46.07	-0.02	12.0483	-3.7724	-0.1717	1.1245	-0.0141	-0.0415	0.2934	-0.3319	-0.3131
103	46.26	-0.02	12.0635	-3.6805	-0.2584	1.2234	-0.0154	-0.0372	0.2928	-0.3300	-0.3040
104	46.44	-0.03	12.1322	-3.6652	-0.3021	1.4276	-0.0337	-0.0210	0.2924	-0.3134	-0.2991
105	46.61	-0.03	12.1778	-3.4054	-0.2546	1.3457	-0.0561	-0.0082	0.2956	-0.3038	-0.2756
106	46.76	-0.03	12.1330	-3.4675	-0.4406	1.4148	-0.0430	-0.0307	0.2988	-0.3295	-0.2858
107	46.93	-0.03	12.2135	-3.2715	-0.3413	1.5143	-0.0452	-0.0276	0.2988	-0.3244	-0.2676
108	47.14	-0.03	12.2874	-3.3410	-0.2703	1.2207	-0.0395	-0.0370	0.2982	-0.3352	-0.2719
109	47.30	-0.03	12.2000	-3.0331	-0.2141	1.1886	-0.0354	-0.0288	0.2970	-0.3156	-0.2503
110	47.47	-0.03	12.3500	-3.2503	-0.2887	1.0078	-0.0434	-0.0292	0.2989	-0.3281	-0.2623
111	47.64	-0.03	12.4541	-3.4347	-0.1225	0.7598	-0.0460	-0.0348	0.2933	-0.3281	-0.2758
112	47.82	-0.03	12.4805	-3.3388	-0.0411	0.5878	-0.0380	-0.0211	0.3026	-0.3235	-0.2675
113	48.00	-0.02	12.5550	-3.2055	-0.0320	0.4810	-0.0255	-0.0045	0.3159	-0.3204	-0.2817
114	48.18	-0.02	12.7175	-3.0332	0.0035	0.6570	0.0107	0.0443	0.3400	-0.3007	-0.2857
115	48.34	-0.02	12.8627	-3.3502	-0.3025	0.4543	0.0174	-0.0423	0.3403	-0.2950	-0.2650
116	48.53	-0.03	12.8854	-3.0273	0.0201	0.6177	0.0439	0.0471	0.3691	-0.3220	-0.2470
117	48.68	-0.02	12.9265	-3.0538	-0.0258	0.4624	0.0554	0.0481	0.3870	-0.3325	-0.2653
118	48.87	-0.03	12.9028	-3.4551	-0.3111	0.5295	0.0300	0.0378	0.3774	-0.3418	-0.2681
119	49.02	-0.03	12.9287	-3.5054	0.0018	0.5642	0.0558	0.0569	0.3865	-0.3258	-0.2761
120	49.18	-0.02	12.9497	-3.4815	0.0075	0.6020	0.0703	0.0574	0.3901	-0.3327	-0.2673
121	49.36	-0.00	12.9291	-3.0314	0.1503	0.5028	0.0608	0.0499	0.3550	-0.3351	-0.2345
122	49.54	-0.01	12.9641	-3.1420	0.0765	0.7445	0.0658	0.0474	0.3842	-0.3368	-0.2424
123	49.71	-0.00	12.9423	-3.0485	0.1505	0.8585	0.0578	0.0421	0.3870	-0.3449	-0.2348
124	49.87	-0.01	13.0422	-3.0543	0.1848	0.8891	0.0544	0.0478	0.3901	-0.3423	-0.2376
125	50.06	-0.01	13.1386	-3.1800	0.1540	0.8598	0.0500	0.0482	0.3863	-0.3401	-0.2420
126	50.23	-0.00	13.1405	-3.1278	0.1802	0.9715	0.0348	0.0473	0.3952	-0.3479	-0.2370
127	50.39	-0.01	13.1654	-2.8514	0.2514	1.0575	0.0490	0.0629	0.4093	-0.3464	-0.2166
128	50.57	-0.00	13.1458	-2.7320	0.1772	1.1367	0.0439	0.0677	0.4153	-0.3476	-0.2078
129	50.73	-0.01	13.1447	-2.5577	0.1297	1.3102	0.0338	0.0616	0.4202	-0.3538	-0.1972
130	50.91	-0.00	13.2784	-2.6367	0.2147	1.1531	0.0399	0.0511	0.4222	-0.3711	-0.1986

PAGE 2 OF 3
SHEET 1 OF 3

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART MACP AXIC-0 Pnt CONF E DEL1 DEL2 DEL3 DEL4 TRANSITION												
1 143 1.10 1.1 C.C 5100F14 C.C 0 -20 0 -20 UNKNOWN												
FLINT	ALPHA	BETA	CNFI	CHI	CHI	ACPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.18	0.00	-0.0082	-0.0002	-0.0010	-0.0044	-0.0010	-0.0037	0.0278	-0.0284	-0.0322	0.3802
2	-5.18	0.01	-0.0002	-0.0001	-0.0027	-0.0101	-0.0013	-0.0010	0.0274	-0.0294	-0.0316	0.3797
3	-5.73	0.02	-0.0023	-0.0002	-0.0219	-0.0241	-0.0035	-0.0014	0.0275	-0.0284	-0.0315	0.3812
4	-5.17	0.02	-0.0127	-0.0001	-0.0200	-0.0079	-0.0046	-0.0020	0.0273	-0.0304	-0.0313	0.3788
5	-5.63	0.00	-0.0023	-0.0001	-0.0210	-0.0120	-0.0031	-0.0030	0.0295	-0.0257	-0.0350	0.3864
6	-4.00	0.02	-0.0104	-0.0001	-0.0256	-0.0076	-0.0038	-0.0040	0.0322	-0.0104	-0.0427	0.4117
7	-2.25	0.01	-0.0113	-0.0002	-0.0182	-0.0177	-0.0106	-0.0045	0.0320	-0.0275	-0.0489	0.4399
8	-0.45	0.01	-0.0101	-0.0006	-0.0167	-0.0192	-0.0015	-0.0052	0.0276	-0.0201	-0.0501	0.4721
9	1.38	0.01	-0.0032	-0.0004	-0.0184	-0.0212	-0.0004	-0.0050	0.0254	-0.0273	-0.0554	0.5048
10	3.33	0.01	-0.0060	-0.0007	-0.0154	-0.0044	-0.0007	-0.0008	0.0231	-0.0167	-0.0630	0.5363
11	5.10	0.03	-0.0211	-0.0004	-0.0147	-0.0190	-0.0067	-0.0018	0.0207	-0.0185	-0.0734	0.5575
12	7.01	0.02	-0.0261	-0.0015	-0.0197	-0.0575	-0.0046	-0.0177	0.0174	-0.0137	-0.0985	0.7680
13	8.80	0.01	-0.0310	-0.0021	-0.0230	-0.0677	-0.0049	-0.0079	0.0145	-0.0158	-0.1861	1.3581
14	10.77	0.01	-0.0347	-0.0018	-0.0250	-0.0515	-0.0005	-0.0009	0.0111	-0.0093	-0.0089	10.0435
15	12.66	0.01	-0.0447	-0.0005	-0.0218	-0.0112	-0.0067	0.0047	0.0055	-0.0033	-0.2097	0.7267
16	14.59	0.01	-0.0584	-0.0002	-0.0235	-0.0342	-0.0042	0.0003	0.0035	-0.0044	-0.0584	-0.0574
17	16.58	0.01	-0.0737	-0.0015	-0.0180	-0.0234	-0.0042	0.0121	0.0033	-0.0127	-0.0854	-0.0854
18	18.55	0.01	-0.0846	-0.0004	-0.0107	-0.0049	-0.0127	0.0101	0.0115	0.0000	-0.0657	0.1546
19	20.52	0.00	-0.1087	-0.0048	-0.0151	-0.0346	-0.0089	0.0276	0.0145	0.0020	-0.0637	0.1845
20	22.54	0.00	-0.1087	-0.0005	-0.0116	-0.0346	-0.0107	0.0269	0.0152	0.0018	-0.0530	0.2154
21	24.53	0.00	-0.2057	-0.0005	-0.0510	-0.0510	-0.0249	0.0306	0.0156	0.0622	-0.0743	0.2061
22	26.57	0.00	-0.1595	-0.0002	-0.0571	-0.0020	-0.0006	0.0011	0.0154	0.0085	-0.0404	0.2348
23	28.10	0.05	-0.2366	-0.0005	-0.1183	-0.0232	-0.0000	0.0397	0.0134	0.0096	-0.0391	0.2278
24	29.13	0.00	0.2232	-0.0044	-0.1152	-0.0197	-0.0101	0.0395	0.0156	0.0020	-0.0396	0.2306
25	28.33	0.04	-0.1772	-0.0034	-0.0554	-0.0192	-0.0009	0.0398	0.0165	0.0033	-0.0417	0.2357
26	26.78	0.04	-0.1100	-0.0021	-0.0138	-0.0190	-0.0061	0.0389	0.0190	0.0084	-0.0449	0.2242
27	29.04	0.02	-0.0034	-0.0026	-0.0245	-0.0746	-0.0323	0.0376	0.0208	0.0009	-0.0550	0.2135
28	29.44	0.04	-0.0828	-0.0012	-0.0024	-0.0144	-0.0004	0.0392	0.0194	0.0009	-0.0493	0.2261
29	29.72	0.05	-0.1558	-0.0039	-0.0512	-0.0251	-0.0061	0.0413	0.0181	0.0066	-0.0438	0.2332
30	30.00	0.04	-0.2249	-0.0037	-0.1136	-0.0103	-0.0015	0.0307	0.0170	0.0052	-0.0355	0.2443
31	30.26	0.05	-0.0934	-0.0027	-0.0184	-0.0289	-0.0323	0.0421	0.0139	0.0057	-0.0448	0.2340
32	30.30	0.06	-0.1573	-0.0031	-0.0058	-0.0197	-0.0045	0.0380	0.0101	0.0004	-0.0413	0.2426
33	30.84	0.05	-0.0915	-0.0020	-0.0074	-0.0218	-0.0003	0.0427	0.0187	0.0103	-0.0422	0.2452
34	31.11	0.04	-0.0461	-0.0021	-0.0038	-0.0045	-0.0004	0.0412	0.0184	0.0101	-0.0423	0.2462
35	31.43	0.04	-0.0251	-0.0005	-0.0422	-0.0172	-0.0002	0.0463	0.0194	0.0108	-0.0433	0.2472
36	31.68	0.03	-0.0059	-0.0020	-0.0030	-0.0005	-0.0004	0.0402	0.0175	0.0112	-0.0381	0.2583
37	31.95	0.04	-0.1045	-0.0023	-0.0173	-0.0223	-0.0397	0.0473	0.0172	0.0120	-0.0383	0.2583
38	32.22	0.04	-0.0069	-0.0015	-0.0005	-0.0015	-0.0003	0.0470	0.0177	0.0108	-0.0376	0.2567
39	32.48	0.02	-0.0019	-0.0034	-0.0275	-0.0792	-0.0417	0.0471	0.0179	0.0126	-0.0378	0.2607
40	32.75	0.02	-0.0203	-0.0022	-0.0249	-0.0004	-0.0004	0.0470	0.0181	0.0124	-0.0378	0.2585
41	33.03	0.03	-0.1020	-0.0013	-0.0124	-0.0127	-0.0033	0.0493	0.0173	0.0115	-0.0351	0.2685
42	33.27	0.01	-0.0354	-0.0015	-0.0000	-0.0045	-0.0030	0.0496	0.0180	0.0128	-0.0368	0.2626
43	33.52	0.02	-0.0578	-0.0012	-0.0580	-0.0208	-0.0035	0.0473	0.0170	0.0124	-0.0357	0.2580
44	33.78	0.03	-0.0037	-0.0015	-0.0006	-0.0005	-0.0005	0.0492	0.0167	0.0126	-0.0379	0.2628
45	34.04	0.03	-0.1071	-0.0024	-0.0141	-0.0224	-0.0019	0.0484	0.0189	0.0128	-0.0386	0.2622
46	34.28	0.01	-0.0177	-0.0025	-0.0205	-0.0008	-0.0008	0.0506	0.0184	0.0170	-0.0363	0.2706

PAGE 2 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO-6				PHI		CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION			
7				143		1.00		1.07		U.C		SINGL		U		-20		UNKNOWN	
POINT	ALPHA	BETA	CONF1	CM1	CB1	XCMPF1	YCPF1	CONF2	CM2	CB2	XCMPF2	YCPF2							
47	34.33	0.04	0.1155	-0.0000	0.0705	-0.0139	0.6523	0.4895	0.0199	0.1272	0.0408	0.2596							
48	34.19	0.03	0.1071	-0.0000	0.0713	-0.0140	0.6657	0.4994	0.0200	0.1301	0.0404	0.2631							
49	35.03	0.02	0.0771	-0.0013	0.0662	-0.0169	0.6368	0.5017	0.0194	0.1332	0.0386	0.2654							
50	35.29	0.02	0.0590	-0.0012	0.0561	-0.0203	0.5500	0.5007	0.0196	0.1316	0.0391	0.2628							
51	35.53	0.03	0.0697	-0.0003	0.0603	-0.0204	0.6051	0.5020	0.0168	0.1336	0.0376	0.2661							
52	35.77	0.03	0.0822	0.0002	0.0324	-0.0119	2.2857	0.5194	0.0177	0.1414	0.0391	0.2722							
53	35.99	0.02	0.1140	-0.0002	0.0620	-0.0600	0.5515	0.5145	0.0177	0.1355	0.0344	0.2711							
54	36.24	0.03	0.1300	-0.0003	0.0612	-0.0603	0.6217	0.5071	0.0161	0.1355	0.0357	0.2672							
55	36.40	0.01	0.0658	-0.0002	0.0617	-0.0115	0.5325	0.5146	0.0171	0.1409	0.0332	0.2738							
56	36.71	0.01	0.0514	-0.0001	0.0522	-0.0019	1.0150	0.5358	0.0153	0.1459	0.0266	0.2790							
57	36.96	0.02	0.0655	-0.0003	0.0650	-0.0032	0.7333	0.5239	0.0162	0.1455	0.0306	0.2759							
58	37.20	0.00	0.0730	0.0005	0.0628	0.0060	0.5209	0.5200	0.0165	0.1459	0.0312	0.2759							
59	37.43	0.01	0.0800	0.0010	0.0517	0.0124	0.7635	0.5351	0.0164	0.1474	0.0306	0.2755							
60	37.67	0.02	0.0521	0.0000	0.0547	0.0113	1.0494	0.5501	0.0152	0.1530	0.0276	0.2761							
61	37.92	0.02	0.0775	0.0017	0.0644	0.0216	0.6267	0.5406	0.0164	0.1515	0.0259	0.2762							
62	38.13	0.01	0.0505	0.0000	0.0600	0.0217	1.3225	0.5095	0.0142	0.1603	0.0249	0.2824							
63	38.41	0.02	0.0320	0.0004	0.0455	0.0122	1.3544	0.5606	0.0141	0.1637	0.0243	0.2819							
64	38.64	0.02	0.0292	0.0019	0.0467	0.0479	1.3533	0.5755	0.0159	0.1604	0.0206	0.2787							
65	38.87	0.01	0.0330	0.0010	0.0472	0.0476	1.4040	0.5817	0.0158	0.1605	0.0272	0.2755							
66	39.07	0.02	0.0423	0.0025	0.0401	0.0422	1.1371	0.5776	0.0173	0.1590	0.0255	0.2767							
67	39.33	0.00	0.0351	0.0017	0.0445	0.0404	1.2570	0.6075	0.0153	0.1709	0.0252	0.2813							
68	39.55	0.01	0.0295	0.0015	0.0400	0.0635	1.3579	0.6225	0.0145	0.1751	0.0253	0.2813							
69	39.75	0.01	0.0416	0.0024	0.0444	0.0574	1.3622	0.6212	0.0150	0.1745	0.0241	0.2805							
70	40.01	0.02	0.0240	0.0015	0.0512	0.0772	1.5122	0.6301	0.0145	0.1747	0.0220	0.2825							
71	40.21	0.01	0.0250	0.0005	0.0342	0.0439	1.1554	0.6030	0.0119	0.1850	0.0175	0.2857							
72	40.42	0.01	0.0120	0.0031	0.0303	0.4047	2.4040	0.6170	0.0160	0.1705	0.0292	0.2763							
73	40.62	0.01	0.0295	0.0005	0.0322	0.0301	1.3765	0.6090	0.0117	0.1916	0.0175	0.2861							
74	40.83	0.01	0.0332	0.0005	0.0330	0.0211	0.9440	0.6704	0.0122	0.1933	0.0180	0.2849							
75	41.00	0.01	0.0000	0.0000	0.0216	0.6244	2.6750	0.6555	0.0150	0.1630	0.0240	0.2788							
76	41.23	0.02	0.0130	0.0072	0.0155	0.3538	1.1323	0.6415	0.0132	0.1704	0.0204	0.2789							
77	41.47	0.01	0.0113	0.0030	0.0153	0.2855	1.3540	0.6792	0.0148	0.1916	0.0218	0.2821							
78	41.67	0.01	0.0000	0.0030	0.0103	0.4494	3.0500	0.6107	0.0145	0.1914	0.0220	0.2820							
79	41.80	0.00	0.0300	0.0052	0.0037	0.1413	0.2364	0.6714	0.0172	0.1873	0.0256	0.2750							
80	42.07	0.01	0.0012	0.0053	0.0021	0.0818	0.0313	0.6812	0.0160	0.1920	0.0247	0.2819							
81	42.20	0.01	0.0474	0.0033	0.0040	0.0610	0.1313	0.6663	0.0164	0.1924	0.0239	0.2803							
82	42.40	0.02	0.0000	0.0040	0.0002	0.0001	0.0033	0.6407	0.0159	0.1903	0.0228	0.2806							
83	42.84	0.01	0.0775	0.0032	0.0000	0.0000	0.0794	0.7022	0.0172	0.1972	0.0245	0.2808							
84	42.89	0.02	0.0140	0.0010	0.0000	0.0000	0.2404	0.6720	0.0231	0.1854	0.0343	0.2733							
85	43.01	0.02	0.0507	0.0037	0.0010	0.0375	0.1333	0.7033	0.0185	0.1935	0.0263	0.2751							
86	43.18	0.01	0.0592	0.0040	0.0044	0.0241	0.2480	0.6493	0.0244	0.1703	0.0460	0.2630							
87	43.37	0.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.7307	0.0166	0.2000	0.0227	0.2792							
88	43.55	0.02	0.0000	0.0010	0.0012	0.0013	0.0000	0.7351	0.0150	0.2097	0.0207	0.2784							
89	43.74	0.02	0.0000	0.0023	0.0000	0.0000	0.0000	0.7541	0.0171	0.2094	0.0227	0.2777							
90	43.92	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.7524	0.0174	0.2004	0.0231	0.2746							
91	44.09	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.7770	0.0165	0.2153	0.0212	0.2771							
92	44.21	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.7442	0.0200	0.2021	0.0275	0.2716							

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

 PAGE 2 OF 3
 SHEET 3 OF 3

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH RXIC-1			PHI CONF		DEL1 DEL2		DEL3 DEL4		TRANSITION			
7 1.3 1.10 1.7			C.C. BLACK14 C.C.		0 -20		0 -20		UNKNOWN			
FLINT	ALPHA	BETA	CONF1	CHI	CEL	XCPF1	YCPF1	CONF2	CHI2	CEL2	XCPF2	YCPF2
93	44.47	-0.02	-0.0532	-0.0024	-0.0023	-0.0451	0.0432	0.7580	0.0177	0.2060	0.0260	0.2726
94	44.63	-0.03	-0.0717	0.0021	-0.0053	-0.0432	0.1497	0.7551	0.0219	0.2046	0.0250	0.2710
95	44.62	-0.01	-0.1215	0.0037	-0.0247	-0.0333	0.2026	0.7400	0.0237	0.1555	0.0320	0.2696
96	45.02	-0.02	-0.0715	0.0023	-0.0104	-0.0392	0.1423	0.7513	0.0239	0.2020	0.0316	0.2667
97	45.30	-0.02	-0.0473	0.0023	-0.0041	-0.0466	0.3867	0.7571	0.0231	0.2011	0.0331	0.2656
98	45.37	0.01	-0.0057	0.0053	-0.0172	-0.0516	0.3906	0.7542	0.0230	0.2023	0.0321	0.2647
99	45.57	-0.03	-0.1221	0.0003	-0.0002	-0.0023	0.2473	0.7473	0.0226	0.1533	0.0388	0.2616
100	45.74	-0.02	-0.1370	-0.0019	-0.0361	0.0139	0.2035	0.7479	0.0316	0.1843	0.0440	0.2567
101	45.51	-0.03	-0.1327	-0.0010	-0.0355	0.0075	0.2673	0.7479	0.0316	0.1851	0.0430	0.2576
102	46.07	-0.02	-0.1467	-0.0062	-0.0361	0.0423	0.2461	0.7431	0.0331	0.1834	0.0456	0.2538
103	46.26	-0.02	-0.1734	-0.0055	-0.0412	0.0565	0.2369	0.7431	0.0336	0.1844	0.0465	0.2552
104	46.44	-0.03	-0.1602	-0.0123	-0.0366	0.0760	0.2422	0.7431	0.0329	0.1865	0.0450	0.2550
105	46.81	-0.03	-0.1816	-0.0222	-0.0342	0.1372	0.2114	0.7479	0.0323	0.1875	0.0436	0.2542
106	46.73	-0.05	-0.1675	-0.0319	-0.0377	0.1156	0.2251	0.7498	0.0336	0.1843	0.0462	0.2536
107	46.93	-0.05	-0.1455	-0.0213	-0.0314	0.1421	0.2095	0.7453	0.0355	0.1750	0.0455	0.2466
108	47.14	-0.05	-0.1423	-0.0190	-0.0306	0.1333	0.2150	0.7491	0.0354	0.1812	0.0485	0.2485
109	47.30	-0.05	-0.1225	-0.0154	-0.0257	0.1563	0.2396	0.7377	0.0357	0.1520	0.0484	0.2467
110	47.47	-0.05	-0.0945	-0.0257	-0.0156	0.2719	0.1672	0.7655	0.0332	0.1781	0.0434	0.2457
111	47.64	-0.05	-0.0627	-0.0243	-0.0115	0.2574	0.1439	0.7723	0.0335	0.1507	0.0434	0.2465
112	47.32	-0.05	-0.0476	-0.0233	-0.0031	0.4694	0.0651	0.7765	0.0336	0.1507	0.0432	0.2456
113	48.00	-0.02	-0.0321	-0.0241	0.0013	0.7507	-0.0405	0.7745	0.0357	0.1391	0.0435	0.2442
114	48.16	-0.02	0.0137	-0.0196	0.0119	-0.4451	0.0600	0.7516	0.0240	0.1829	0.0315	0.2433
115	48.34	-0.02	0.0310	-0.0166	0.0153	-0.5354	0.4935	0.7415	0.0254	0.1787	0.0343	0.2410
116	48.53	-0.03	0.0047	-0.0111	0.0270	-0.1542	0.3904	0.7442	0.0176	0.1837	0.0235	0.2452
117	48.68	-0.02	0.0913	-0.0053	0.0313	-0.0550	0.3428	0.7335	0.0185	0.1771	0.0252	0.2414
118	48.87	-0.03	0.0716	-0.0047	0.0240	-0.0656	0.3352	0.7278	0.0232	0.1701	0.0315	0.2337
119	49.02	-0.03	0.0754	-0.0025	0.0261	-0.0341	0.3556	0.7109	0.0211	0.1660	0.0257	0.2335
120	49.16	-0.02	0.0769	0.0013	0.0236	0.0163	0.3357	0.7114	0.0223	0.1663	0.0313	0.2338
121	49.36	-0.00	0.0432	0.0077	0.0110	0.1782	0.2546	0.6793	0.0351	0.1468	0.0517	0.2150
122	49.54	-0.01	0.0353	0.0077	0.0107	0.2101	0.3031	0.6846	0.0359	0.1514	0.0524	0.2212
123	49.71	-0.00	0.0224	0.0055	0.0000	0.2565	0.2679	0.6760	0.0357	0.1487	0.0528	0.2200
124	49.89	-0.01	0.0160	0.0050	0.0012	0.4716	0.1132	0.6635	0.0354	0.1512	0.0518	0.2212
125	50.06	-0.01	0.0152	0.0058	0.0042	0.3020	0.2100	0.6578	0.0347	0.1560	0.0501	0.2252
126	50.23	-0.00	0.0000	0.0035	0.0000	0.8225	1.3333	0.6490	0.0346	0.1519	0.0510	0.2235
127	50.35	0.01	-0.0026	0.0013	0.0001	-0.7337	-0.0305	0.6490	0.0344	0.1525	0.0511	0.2267
128	50.57	-0.00	-0.0124	0.0023	-0.0038	-0.1635	0.3305	0.6490	0.0337	0.1503	0.0535	0.2251
129	50.73	-0.01	-0.0170	0.0025	-0.0048	-0.1706	0.2706	0.6490	0.0375	0.1483	0.0589	0.2230
130	50.91	-0.00	-0.0170	0.0026	-0.0042	-0.1524	0.2471	0.6490	0.0369	0.1456	0.0557	0.2259

PAGE 3 OF 3
 SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		X10-6		PHI	CONF	L	CELL	DELZ	CELL	DELZ	TRANSITION
7		1.10 1.7		0.0		0.0		0.0		0.0		0.0	
PCINT	ALPHA	BETA	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8	CONF9	CONF10	CONF11	CONF12	CONF13
1	-5.78	0.00	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
2	-5.78	0.01	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
3	-5.78	0.02	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
4	-5.77	0.02	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
5	-5.83	0.00	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
6	-4.00	0.02	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
7	-2.29	0.01	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
8	-0.42	0.01	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
9	1.38	0.01	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
10	3.33	0.01	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
11	5.10	0.00	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
12	7.01	0.02	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
13	8.86	0.01	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
14	10.77	0.01	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
15	12.66	0.01	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
16	14.57	-0.01	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
17	16.56	0.01	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
18	18.55	0.01	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
19	20.52	0.00	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
20	22.54	0.00	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
21	24.53	-0.00	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
22	26.57	0.00	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
23	28.10	0.00	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
24	29.13	0.00	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
25	28.53	0.00	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
26	28.74	0.00	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
27	29.09	0.02	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
28	29.44	0.04	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
29	29.72	0.05	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
30	30.00	0.04	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
31	30.26	0.05	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
32	30.50	0.06	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
33	30.84	0.03	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
34	31.11	0.04	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
35	31.40	0.04	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
36	31.00	0.03	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
37	31.95	0.05	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
38	32.22	0.04	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
39	32.48	0.02	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
40	32.75	0.02	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
41	33.00	0.03	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
42	33.27	0.01	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
43	33.52	0.02	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
44	33.70	0.03	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
45	34.04	0.03	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
46	34.28	0.01	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014

PAGE 3 OF 3
 SHEET 2 OF 3

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH A10-E				PHI CONF		L DELI		DEL2 DEL3		DEL4 TRANSITION		
7 145 1.10 1.7				0.0 0.100F14 C.C		0 -20		0 -20		UNKNOWN		
FLINT	ALPHA	BETA	CNF2	CH3	CB3	XCFF3	YCPFF3	CNF4	CH4	CB4	XCFF4	YCPFF4
47	34.55	0.04	0.0520	5.5555	0.0067	5.5555	0.1198	0.4421	0.0111	0.1546	0.0251	0.4402
48	34.79	0.03	0.0515	5.5555	0.0045	5.5555	0.0074	0.4447	0.0111	0.1553	0.0250	0.4392
49	35.03	0.02	0.0503	5.5555	0.0045	5.5555	0.0074	0.4552	0.0106	0.1573	0.0233	0.4334
50	35.29	0.02	0.0514	5.5555	0.0008	5.5555	0.1323	0.4594	0.0100	0.1585	0.0222	0.4321
51	35.53	0.03	0.0546	5.5555	0.0074	5.5555	0.1462	0.4593	0.0100	0.1580	0.0224	0.4311
52	35.77	0.03	0.0455	5.5555	0.0034	5.5555	0.0762	0.4518	0.0116	0.1535	0.0251	0.4283
53	35.99	0.02	0.0385	5.5555	0.0000	5.5555	0.1028	0.4438	0.0064	0.2048	0.0170	0.4147
54	36.24	0.03	0.0513	5.5555	0.0040	5.5555	0.1754	0.5164	0.0088	0.2132	0.0128	0.4125
55	36.48	0.01	0.0502	5.5555	0.0076	5.5555	0.1514	0.5011	0.0086	0.2064	0.0176	0.4119
56	36.71	0.01	0.0377	5.5555	0.0052	5.5555	0.1374	0.4674	0.0100	0.2010	0.0205	0.4124
57	36.96	0.02	0.0355	5.5555	0.0045	5.5555	0.1228	0.5113	0.0060	0.2073	0.0156	0.4054
58	37.20	0.00	0.0512	5.5555	0.0040	5.5555	0.1750	0.5266	0.0070	0.2130	0.0132	0.4030
59	37.43	0.01	0.0472	5.5555	0.0074	5.5555	0.1546	0.5341	0.0085	0.2138	0.0122	0.4003
60	37.67	0.02	0.0490	5.5555	0.0073	5.5555	0.1612	0.5199	0.0083	0.2075	0.0160	0.3991
61	37.92	0.02	0.0425	5.5555	0.0080	5.5555	0.1800	0.5505	0.0081	0.2185	0.0111	0.3935
62	38.15	0.01	0.0354	5.5555	0.0054	5.5555	0.1353	0.5175	0.0093	0.2046	0.0180	0.3954
63	38.41	0.02	0.0421	5.5555	0.0060	5.5555	0.1425	0.5265	0.0092	0.2076	0.0175	0.3943
64	38.64	0.02	0.0501	5.5555	0.0080	5.5555	0.1597	0.5477	0.0080	0.2136	0.0146	0.3900
65	38.87	0.01	0.0467	5.5555	0.0068	5.5555	0.1456	0.5569	0.0076	0.2156	0.0136	0.3871
66	39.07	0.02	0.0355	5.5555	0.0041	5.5555	0.1026	0.5767	0.0056	0.2219	0.0097	0.3834
67	39.33	0.00	0.0355	5.5555	0.0045	5.5555	0.1226	0.5612	0.0086	0.2147	0.0153	0.3826
68	39.55	0.01	0.0355	5.5555	0.0034	5.5555	0.1353	0.5626	0.0101	0.2147	0.0175	0.3816
69	39.75	0.01	0.0365	5.5555	0.0024	5.5555	0.0668	0.5058	0.0093	0.2147	0.0164	0.3793
70	40.01	0.02	0.0351	5.5555	0.0022	5.5555	0.0665	0.5040	0.0100	0.2151	0.0176	0.3780
71	40.21	0.01	0.0455	5.5555	0.0055	5.5555	0.1151	0.5552	0.0124	0.2103	0.0231	0.3761
72	40.42	0.01	0.0423	5.5555	0.0025	5.5555	0.0668	0.5020	0.0041	0.2336	0.0065	0.3726
73	40.62	0.01	0.0472	5.5555	0.0074	5.5555	0.1546	0.5736	0.0123	0.2135	0.0214	0.3724
74	40.83	0.01	0.0422	5.5555	0.0042	5.5555	0.0995	0.5896	0.0113	0.2183	0.0192	0.3703
75	41.06	0.01	0.0355	5.5555	0.0041	5.5555	0.1026	0.6352	0.0066	0.2324	0.0104	0.3656
76	41.23	0.02	0.0467	5.5555	0.0068	5.5555	0.1456	0.6067	0.0027	0.2429	0.0040	0.3632
77	41.47	0.01	0.0355	5.5555	0.0017	5.5555	0.0512	0.6461	0.0063	0.2347	0.0097	0.3621
78	41.67	0.01	0.0512	5.5555	0.0081	5.5555	0.1262	0.6433	0.0076	0.2332	0.0118	0.3625
79	41.86	0.00	0.0411	5.5555	0.0041	5.5555	0.0995	0.6703	0.0055	0.2394	0.0082	0.3572
80	42.07	0.01	0.0366	5.5555	0.0020	5.5555	0.0546	0.6974	0.0034	0.2485	0.0045	0.3563
81	42.26	0.01	0.0422	5.5555	0.0036	5.5555	0.0500	0.6754	0.0065	0.2396	0.0056	0.3545
82	42.46	0.02	0.0366	5.5555	0.0040	5.5555	0.1031	0.6767	0.0071	0.2368	0.0105	0.3525
83	42.64	0.01	0.0366	5.5555	0.0040	5.5555	0.1031	0.6885	0.0066	0.2415	0.0096	0.3508
84	42.83	0.00	0.0355	5.5555	0.0045	5.5555	0.1126	0.7433	0.0030	0.2546	0.0040	0.3425
85	43.01	0.02	0.0467	5.5555	0.0068	5.5555	0.1456	0.7097	0.0072	0.2455	0.0101	0.3459
86	43.18	0.01	0.0460	5.5555	0.0027	5.5555	0.0675	0.6574	0.0160	0.2217	0.0252	0.3370
87	43.37	0.04	0.0354	5.5555	0.0033	5.5555	0.0932	0.6916	0.0106	0.2389	0.0153	0.3453
88	43.55	0.02	0.0322	5.5555	0.0013	5.5555	0.0392	0.6564	0.0153	0.2260	0.0233	0.3443
89	43.74	0.02	0.0354	5.5555	0.0024	5.5555	0.0676	0.6778	0.0155	0.2300	0.0229	0.3353
90	43.92	0.01	0.0433	5.5555	0.0052	5.5555	0.1201	0.6767	0.0161	0.2307	0.0237	0.3399
91	44.05	0.01	0.0433	5.5555	0.0057	5.5555	0.1318	0.6665	0.0184	0.2273	0.0275	0.3400
92	44.27	0.03	0.0467	5.5555	0.0068	5.5555	0.1456	0.7137	0.0142	0.2460	0.0195	0.3363

PAGE 3 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIC-6			PHI	CONF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 1.5 1.10 1.7			C.C	BLNCF14	C.C	0	-20	0	-20	UNKNOWN		
FCINT	ALPHA	BETA	LNFB	LN3	LN5	LNPF3	YCPF3	LNFB	CH4	CH4	XCPF4	YCPF4
93	44.47	-0.02	0.0359	5.5555	0.0063	5.5555	0.1579	0.0841	0.0179	0.2302	0.0262	0.3365
94	44.63	-0.03	0.0366	5.5555	0.0065	5.5555	0.1263	0.0840	0.0163	0.2310	0.0264	0.3325
95	44.82	-0.01	0.0320	5.5555	0.0025	5.5555	0.0781	0.0702	0.0174	0.2345	0.0246	0.3321
96	45.02	-0.02	0.0331	5.5555	0.0031	5.5555	0.0937	0.0876	0.0214	0.2266	0.0311	0.3295
97	45.20	-0.02	0.0422	5.5555	0.0060	5.5555	0.1422	0.0850	0.0233	0.2240	0.0340	0.3270
98	45.31	0.01	0.0314	5.5555	0.0035	5.5555	0.1234	0.0708	0.0242	0.2235	0.0356	0.3253
99	45.55	-0.03	0.0354	5.5555	0.0041	5.5555	0.1156	0.0919	0.0253	0.2223	0.0366	0.3213
100	45.74	-0.02	0.0420	5.5555	0.0077	5.5555	0.1645	0.0707	0.0293	0.2156	0.0433	0.3166
101	45.91	-0.03	0.0343	5.5555	0.0045	5.5555	0.1312	0.0760	0.0302	0.2148	0.0447	0.3178
102	46.07	-0.02	0.0433	5.5555	0.0076	5.5555	0.1617	0.0770	0.0320	0.2046	0.0533	0.3114
103	46.26	-0.02	0.0444	5.5555	0.0064	5.5555	0.1892	0.0676	0.0372	0.2011	0.0574	0.3105
104	46.44	-0.03	0.0365	5.5555	0.0065	5.5555	0.1761	0.0623	0.0379	0.1957	0.0602	0.3110
105	46.61	-0.03	0.0355	5.5555	0.0065	5.5555	0.1579	0.0841	0.0419	0.1815	0.0717	0.3107
106	46.78	-0.03	0.0377	5.5555	0.0057	5.5555	0.1512	0.0950	0.0425	0.1835	0.0713	0.3081
107	46.95	-0.03	0.0376	5.5555	0.0070	5.5555	0.1802	0.0624	0.0458	0.1724	0.0814	0.3065
108	47.14	-0.03	0.0356	5.5555	0.0060	5.5555	0.2201	0.0544	0.0440	0.1800	0.0740	0.3028
109	47.30	-0.03	0.0331	5.5555	0.0055	5.5555	0.1601	0.0570	0.0458	0.1720	0.0803	0.3018
110	47.47	-0.05	0.0376	5.5555	0.0070	5.5555	0.1802	0.0544	0.0463	0.1836	0.0851	0.3007
111	47.64	-0.03	0.0434	5.5555	0.0075	5.5555	0.1820	0.0543	0.0452	0.1835	0.0825	0.2998
112	47.82	-0.03	0.0423	5.5555	0.0065	5.5555	0.1631	0.0506	0.0450	0.1843	0.0817	0.2984
113	48.00	-0.02	0.0446	5.5555	0.0065	5.5555	0.1906	0.0524	0.0452	0.1846	0.0818	0.2986
114	48.18	-0.02	0.0355	5.5555	0.0040	5.5555	0.1246	0.0573	0.0440	0.1807	0.0775	0.2974
115	48.36	-0.02	0.0411	5.5555	0.0077	5.5555	0.1873	0.0577	0.0444	0.1885	0.0772	0.2935
116	48.53	-0.03	0.0366	5.5555	0.0051	5.5555	0.1593	0.0513	0.0428	0.1740	0.0724	0.2943
117	48.68	-0.02	0.0385	5.5555	0.0067	5.5555	0.1722	0.0596	0.0430	0.1786	0.0705	0.2933
118	48.87	-0.03	0.0435	5.5555	0.0075	5.5555	0.1810	0.0543	0.0436	0.1726	0.0738	0.2908
119	49.02	-0.03	0.0310	5.5555	0.0038	5.5555	0.1226	0.0503	0.0434	0.1757	0.0717	0.2903
120	49.18	-0.02	0.0322	5.5555	0.0034	5.5555	0.1050	0.0617	0.0431	0.1768	0.0703	0.2886
121	49.36	-0.00	0.0458	5.5555	0.0081	5.5555	0.1709	0.0503	0.0427	0.1733	0.0705	0.2863
122	49.54	-0.01	0.0375	5.5555	0.0053	5.5555	0.1396	0.0556	0.0427	0.1725	0.0705	0.2847
123	49.71	-0.00	0.0350	5.5555	0.0067	5.5555	0.1716	0.0613	0.0421	0.1728	0.0685	0.2827
124	49.89	-0.01	0.0413	5.5555	0.0060	5.5555	0.1453	0.0612	0.0411	0.1735	0.0671	0.2834
125	50.06	-0.01	0.0333	5.5555	0.0053	5.5555	0.1592	0.0619	0.0410	0.1755	0.0662	0.2835
126	50.23	-0.00	0.0425	5.5555	0.0070	5.5555	0.1647	0.0623	0.0409	0.1759	0.0656	0.2821
127	50.35	0.01	0.0440	5.5555	0.0064	5.5555	0.1351	0.0614	0.0357	0.1742	0.0646	0.2834
128	50.57	-0.00	0.0455	5.5555	0.0066	5.5555	0.1780	0.0619	0.0390	0.1737	0.0635	0.2829
129	50.73	-0.01	0.0403	5.5555	0.0068	5.5555	0.1687	0.0617	0.0390	0.1745	0.0632	0.2828
130	50.91	-0.00	0.0442	5.5555	0.0073	5.5555	0.1780	0.0623	0.0386	0.1766	0.0617	0.2823

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RAIO-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1	144	0.00	1.1	0.0	BLNCF15	C.C	0	-20	0	-20	UNIFORM
FCINT	ALPHA	BETA	LM	CLM	CLY	CLN	CLL	CA	CA0	CAF	XCP
1	-0.05	-0.01	-1.3360	5.9066	0.0236	-0.0427	-0.0043	0.6148	0.1502	0.4666	-4.4228
2	-0.04	0.01	-1.3064	5.8676	-0.0070	-0.0394	0.0030	0.6147	0.1497	0.4650	-4.4913
3	-0.04	0.01	-1.3205	5.8563	-0.0054	-0.0155	0.0029	0.6162	0.1501	0.4681	-4.4652
4	-0.04	0.00	-1.3207	5.8565	0.0095	-0.0173	0.0030	0.6202	0.1506	0.4696	-4.4647
5	-0.04	0.00	-1.3342	5.8568	0.0121	0.0192	0.0029	0.6171	0.1494	0.4677	-4.4908
6	-0.05	0.00	-1.2764	5.8000	0.0362	-0.0565	0.0031	0.6173	0.1503	0.4670	-4.5442
7	-0.06	0.00	-1.2105	5.8084	0.0108	-0.0056	0.0031	0.6194	0.1464	0.4710	-4.6330
8	1.50	0.00	-0.9353	4.9352	0.0113	0.0000	0.0179	0.5744	0.1465	0.4255	-5.2584
9	3.24	0.00	-0.6667	4.3378	0.0326	-0.0711	0.0173	0.5244	0.1436	0.3606	-6.4416
10	5.13	-0.00	-0.3717	3.8213	-0.0347	-0.0105	0.0116	0.4630	0.1404	0.3230	-5.7427
11	6.94	-0.00	-0.1037	2.9528	-0.0074	-0.0041	0.0193	0.4133	0.1423	0.2710	-28.6730
12	8.60	0.00	0.1020	2.3453	0.0515	-0.0041	0.0201	0.3601	0.1426	0.2255	12.2357
13	10.62	-0.01	0.4767	1.7754	-0.0352	0.0037	0.0205	0.3272	0.1455	0.1817	3.7324
14	12.50	-0.01	0.7666	1.3431	-0.0003	0.0524	0.0210	0.2907	0.1521	0.1306	1.7501
15	14.30	-0.00	1.0221	1.0633	-0.0465	0.0850	0.0140	0.2645	0.1619	0.1027	1.0599
16	16.13	-0.01	1.2904	0.8055	-0.0593	0.1483	0.0227	0.2369	0.1717	0.0672	0.6274
17	17.93	-0.00	1.5464	0.4525	-0.0567	0.2455	0.0232	0.2069	0.1796	0.0273	0.2833
18	19.64	-0.02	1.7432	-0.0743	-0.3015	0.0411	0.0314	0.1657	0.1924	-0.0267	-0.0383
19	21.76	-0.02	2.3165	-0.5363	-0.4627	1.2769	-0.3365	0.1106	0.2027	-0.0921	-0.2531
20	23.67	-0.04	2.6633	-1.2347	-0.6690	2.0302	0.0712	0.0634	0.2132	-0.1518	-0.4557
21	25.35	-0.03	3.0566	-1.6666	-0.8032	1.9549	0.3363	-0.0036	0.2136	-0.2192	-0.5518
22	27.40	0.03	3.5203	-2.0151	0.2512	-0.4521	0.0015	-0.0830	0.2134	-0.2471	-0.5723
23	29.34	0.03	3.9747	-2.4282	0.3167	-0.0375	0.0317	-0.1417	0.2232	-0.3645	-0.6105
24	31.20	0.04	4.3040	-2.9203	0.2316	1.0453	0.0575	-0.1793	0.2435	-0.4226	-0.6484
25	33.22	0.06	5.2054	-2.7411	0.6151	0.3368	0.0555	-0.2316	0.2462	-0.4798	-0.5266
26	33.63	0.07	5.2440	-2.6545	0.6049	0.4720	0.0405	-0.2404	0.2516	-0.4921	-0.5139
27	33.65	0.07	5.2835	-2.7601	0.6626	0.6495	0.0400	-0.2305	0.2853	-0.4954	-0.5224
28	34.11	0.07	5.3565	-2.7780	0.6341	0.6174	0.0324	-0.2211	0.2695	-0.4907	-0.5207
29	34.34	0.06	5.3565	-2.7514	0.6535	0.7426	0.0254	-0.2087	0.2611	-0.4855	-0.5205
30	34.55	0.04	5.4024	-2.7766	0.6042	0.6045	0.0106	-0.2005	0.2413	-0.4418	-0.5086
31	34.65	0.04	5.5346	-2.8322	0.6081	0.6833	0.0041	-0.1994	0.3105	-0.5159	-0.5117
32	35.07	0.04	5.5527	-2.8024	0.6132	1.0010	-0.0265	-0.1945	0.3382	-0.4817	-0.5011
33	35.32	0.04	5.7053	-2.7503	0.6723	0.3723	0.0136	-0.1937	0.3142	-0.5049	-0.4840
34	35.56	0.05	5.7766	-2.7019	0.5867	0.6014	0.0017	-0.2390	0.2803	-0.5194	-0.4677
35	35.77	0.07	5.6530	-2.7241	0.5873	1.2464	0.1007	-0.2668	0.2722	-0.5351	-0.4654
36	36.01	0.08	5.9151	-2.6754	1.0744	1.1616	0.0707	-0.2460	0.2805	-0.5326	-0.4531
37	36.24	0.05	6.0651	-2.7401	1.1037	-0.9939	0.0472	-0.2403	0.3105	-0.5508	-0.4844
38	36.47	0.06	6.1474	-2.9035	1.0762	-0.5146	0.0420	-0.2212	0.3192	-0.5464	-0.4733
39	36.71	0.07	6.1715	-2.9436	1.0081	-0.5452	0.0424	-0.2268	0.3197	-0.5485	-0.4769
40	36.94	0.06	6.2710	-2.8563	1.0666	-0.7803	0.0273	-0.2360	0.3115	-0.5465	-0.4558
41	37.16	0.07	6.3121	-2.9064	0.9464	-0.6465	0.0345	-0.2374	0.3211	-0.5604	-0.4605
42	37.41	0.04	6.4560	-2.8356	1.0035	-0.1521	-0.0333	-0.2004	0.3011	-0.5521	-0.4351
43	37.64	0.06	6.5677	-2.6571	0.5433	0.5917	-0.0303	-0.1629	0.3630	-0.5455	-0.4337
44	37.87	0.06	6.6430	-2.9136	0.5050	0.6444	-0.0000	-0.1590	0.3535	-0.5525	-0.4388
45	38.12	0.10	6.6306	-2.9731	1.1235	0.5476	-0.0306	-0.1541	0.4064	-0.5605	-0.4353
46	38.33	0.04	6.9660	-2.9444	1.0344	1.0542	-0.0733	-0.1513	0.4131	-0.5644	-0.4336

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	FACE	AXIS	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1	144	0.80	1.7	0.0	0.0015	0.0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CM	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	38.55	0.09	7.1680	-3.3030	1.0217	1.4626	-0.0083	-0.1527	0.4245	-0.5172	-0.4309
48	38.79	0.10	7.2183	-3.0020	1.0712	1.5219	-0.0012	-0.1580	0.4279	-0.5059	-0.4236
49	39.01	0.11	7.3580	-3.1976	1.1260	1.6811	-0.0061	-0.1559	0.4376	-0.5533	-0.4322
50	39.21	0.10	7.5027	-3.2083	1.1625	1.8492	-0.0095	-0.1622	0.4413	-0.6035	-0.4343
51	39.43	0.11	7.5183	-3.1504	1.1360	1.8226	-0.0718	-0.1593	0.4413	-0.6006	-0.4252
52	39.63	0.11	7.4987	-3.1040	1.0650	1.5297	-0.0047	-0.1503	0.4390	-0.5901	-0.4247
53	39.83	0.12	7.5927	-3.1210	1.3101	0.7755	-0.0074	-0.1771	0.4390	-0.6161	-0.4109
54	40.03	0.10	7.5050	-2.9479	1.0980	0.5522	-0.0001	-0.1709	0.4390	-0.6159	-0.3886
55	40.24	0.11	7.6300	-2.5642	1.1260	0.8243	-0.0070	-0.1913	0.4326	-0.6241	-0.3865
56	40.40	0.11	7.7510	-2.5752	1.1473	0.6300	-0.0230	-0.2052	0.4319	-0.6366	-0.3845
57	40.65	0.11	7.7072	-2.3080	1.1199	0.7090	-0.0030	-0.1962	0.4300	-0.6262	-0.3884
58	40.87	0.11	7.5070	-3.0022	1.2025	0.7570	-0.0003	-0.1921	0.4520	-0.6449	-0.3775
59	41.08	0.11	7.5829	-2.5054	1.1505	1.0042	-0.0009	-0.1835	0.4537	-0.6352	-0.3715
60	41.26	0.11	0.0570	-2.4017	1.1690	0.9409	-0.0001	-0.1999	0.4500	-0.6530	-0.3700
61	41.40	0.12	0.1285	-3.0530	1.2045	0.5753	-0.0746	-0.1604	0.4024	-0.6428	-0.3758
62	41.60	0.11	0.1351	-2.0712	1.0587	0.9798	-0.0743	-0.1097	0.4030	-0.6535	-0.3557
63	41.85	0.12	0.3710	-3.1523	1.2602	1.2655	-0.0751	-0.2020	0.4053	-0.6673	-0.3705
64	42.05	0.13	0.4791	-3.1033	1.3700	1.1507	-0.0744	-0.2120	0.4024	-0.6745	-0.3731
65	42.22	0.12	0.4513	-3.3323	1.2349	1.2105	-0.0317	-0.2080	0.4718	-0.6779	-0.3588
66	42.41	0.12	0.5040	-3.2075	1.3000	1.1990	-0.0739	-0.1910	0.4730	-0.6096	-0.3740
67	42.58	0.12	0.0730	-3.2025	1.5245	1.1601	-0.0730	-0.1990	0.4789	-0.6760	-0.3693
68	42.70	0.12	0.0012	-3.4058	1.4071	1.2100	-0.0009	-0.1959	0.4810	-0.6777	-0.3900
69	42.90	0.11	0.5751	-3.5400	1.4246	1.2890	-0.0007	-0.2149	0.4803	-0.6555	-0.3949
70	43.13	0.11	0.4019	-3.4353	1.4753	1.1903	-0.0374	-0.1902	0.4830	-0.6900	-0.3829
71	43.31	0.11	0.0444	-3.4161	1.4367	1.2253	-0.0727	-0.2055	0.4813	-0.6869	-0.3777
72	43.40	0.11	0.0053	-3.4050	1.4101	1.4203	-0.0001	-0.2074	0.4847	-0.6921	-0.3826
73	43.66	0.11	0.2000	-3.5214	1.5430	1.1702	-0.0795	-0.1926	0.4932	-0.6658	-0.3825
74	43.87	0.11	0.3102	-3.5045	1.5257	1.1421	-0.0789	-0.1950	0.4965	-0.6915	-0.3829
75	44.04	0.11	0.3592	-3.4788	1.6031	0.8338	-0.0702	-0.1927	0.4975	-0.6502	-0.3715
76	44.21	0.11	0.4427	-3.0100	1.5071	0.8220	-0.0700	-0.2001	0.5018	-0.7019	-0.3824
77	44.41	0.12	0.5553	-3.5558	1.6454	0.8296	-0.0623	-0.1929	0.5036	-0.6965	-0.3721
78	44.58	0.11	0.5012	-3.0704	1.5000	1.0031	-0.0770	-0.1931	0.5041	-0.6972	-0.3827
79	44.70	0.12	0.0722	-3.0082	1.6532	0.9000	-0.0621	-0.1091	0.5103	-0.6954	-0.3731
80	44.94	0.12	0.1174	-3.5000	1.5000	0.9959	-0.0700	-0.2018	0.5090	-0.7100	-0.3073
81	45.13	0.12	0.7553	-3.6600	1.5070	1.0530	-0.0596	-0.1929	0.5154	-0.7063	-0.3761
82	45.30	0.12	0.0000	-3.0142	1.5000	0.9739	-0.0000	-0.2055	0.5117	-0.7172	-0.3087
83	45.46	0.12	0.5320	-3.7078	1.5380	1.0012	-0.0037	-0.2035	0.5130	-0.7171	-0.3793
84	45.64	0.12	0.4029	-3.7553	1.5731	1.1033	-0.0592	-0.1997	0.5136	-0.7133	-0.3769
85	45.82	0.12	10.0430	-3.0725	1.5027	0.9940	-0.0000	-0.2084	0.5150	-0.7234	-0.3657
86	46.00	0.12	10.1159	-3.7000	1.4540	1.1454	-0.0000	-0.2028	0.5240	-0.7208	-0.3086
87	46.18	0.12	10.2037	-3.7545	1.4545	1.2454	-0.0757	-0.2083	0.5231	-0.7314	-0.3719
88	46.35	0.12	10.3443	-3.7423	1.5007	1.2150	-0.0000	-0.2177	0.5232	-0.7459	-0.3809
89	46.52	0.11	10.2226	-3.6054	1.3740	1.2070	-0.0324	-0.2129	0.5250	-0.7379	-0.3931
90	46.80	0.10	10.2300	-3.5000	1.2213	1.0000	-0.0000	-0.2300	0.5254	-0.7500	-0.3541
91	46.87	0.12	10.4532	-3.0126	1.3445	1.3833	-0.1050	-0.2421	0.5263	-0.7084	-0.3647
92	47.03	0.10	10.3980	-3.0000	1.1443	1.0147	-0.0000	-0.2411	0.5240	-0.7051	-0.3521

PAGE 1 OF 3
SHEET 3 OF 4

PART A MISSILE TAILS EFFECTS DATA

TEST PART MACH NO. 6			PHI	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION		
144 U.C. 1.7			U.C. D10P15 U.C			U	-20	U	-20	UNKNOWN	
FLINT	ALPHA	BETA	CL	CLM	CL	LLA	CLL	CA	LAE	CAF	XCP
93	47.21	0.10	10.5525	-3.8225	1.1357	2.3542	-0.1145	-0.2406	0.5287	-0.7755	-0.3621
94	47.30	0.05	10.6101	-3.8525	1.1480	2.3479	-0.1140	-0.2373	0.5245	-0.7810	-0.3631
95	47.50	0.05	10.7627	-3.8605	1.1666	2.1530	-0.1120	-0.2399	0.5314	-0.7713	-0.3606
96	47.75	0.04	10.8525	-3.8111	1.0509	2.7002	-0.1371	-0.2505	0.5243	-0.7820	-0.3578
97	47.90	0.05	10.7221	-3.8132	1.0634	2.6241	-0.1443	-0.2724	0.5244	-0.7573	-0.3556
98	48.05	0.06	10.7342	-3.7801	1.0676	3.0552	-0.1510	-0.2601	0.5102	-0.8003	-0.3501
99	48.22	0.06	10.6753	-3.6515	1.0608	2.9719	-0.1750	-0.2702	0.5200	-0.7586	-0.3421
100	48.35	0.05	10.7201	-3.5675	0.9905	3.1133	-0.1507	-0.3072	0.5022	-0.8053	-0.3326
101	48.54	0.04	10.6521	-3.3650	0.9458	2.9700	-0.1581	-0.3352	0.4766	-0.8158	-0.3191
102	48.71	0.03	10.6653	-3.1242	0.9307	2.6093	-0.1509	-0.3345	0.4739	-0.8134	-0.2929
103	48.88	0.02	10.6436	-2.8556	0.9315	2.2560	-0.1460	-0.3439	0.3935	-0.8644	-0.2578
104	49.00	0.03	10.7500	-2.9401	0.9497	2.1552	-0.1415	-0.3741	0.4516	-0.8257	-0.2735
105	49.23	0.01	10.5556	-2.6400	0.9124	2.2060	-0.1247	-0.4301	0.4103	-0.8546	-0.2499
106	49.41	0.01	10.7000	-2.4984	0.8691	2.0017	-0.1475	-0.4322	0.4259	-0.8581	-0.2335
107	49.58	0.01	10.7527	-2.5520	0.8248	2.5051	-0.1401	-0.4338	0.4273	-0.8611	-0.2410
108	49.74	0.01	10.7174	-2.5025	0.8253	2.3290	-0.1172	-0.4015	0.3951	-0.8566	-0.2335
109	49.92	0.01	10.9004	-2.7853	0.8221	2.4493	-0.1390	-0.3730	0.4011	-0.8341	-0.2555
110	50.04	0.02	10.5315	-2.1383	0.8153	2.4000	-0.1170	-0.3579	0.4430	-0.8459	-0.2505
111	50.26	0.02	11.0474	-2.5272	0.8707	2.5373	-0.1242	-0.3577	0.4452	-0.8425	-0.2651
112	50.44	0.02	11.1346	-3.1351	0.8302	2.0190	-0.1244	-0.3608	0.4090	-0.8505	-0.2820
113	50.60	0.03	11.3062	-3.4036	0.8191	2.9231	-0.0980	-0.3216	0.5205	-0.8464	-0.3047
114	50.78	0.06	11.6101	-3.8785	0.6047	3.2535	-0.0969	-0.3015	0.5438	-0.8452	-0.3323
115	50.97	0.05	11.7134	-4.0180	0.4085	3.5035	-0.0908	-0.3084	0.5434	-0.8517	-0.3429
116	51.13	0.05	11.7575	-3.9550	0.4072	3.2600	-0.1035	-0.3107	0.5444	-0.8601	-0.3352
117	51.30	0.08	11.9586	-4.1352	0.7873	3.9253	-0.1043	-0.3355	0.5534	-0.8539	-0.3458
118	51.48	0.04	11.0842	-4.2405	0.8340	3.6415	-0.1129	-0.3318	0.5620	-0.8404	-0.3549
119	51.64	0.05	12.0725	-4.2220	0.8685	3.6805	-0.1123	-0.3401	0.5627	-0.8588	-0.3457
120	51.81	0.09	12.1221	-4.2450	0.7877	3.6035	-0.1128	-0.3308	0.5660	-0.8408	-0.3505
121	51.97	0.10	12.1665	-4.2475	0.8623	3.6445	-0.1130	-0.3524	0.5604	-0.8518	-0.3491
122	52.14	0.11	12.2555	-4.3873	1.0721	3.4507	-0.1270	-0.3002	0.5542	-0.8404	-0.3579
123	52.32	0.11	12.3025	-4.4622	1.0520	3.6112	-0.1277	-0.3553	0.5425	-0.8576	-0.3645
124	52.40	0.13	12.4070	-4.6077	1.2010	3.7030	-0.1115	-0.3451	0.5340	-0.8421	-0.3696
125	52.65	0.13	12.5135	-4.6092	1.3233	3.6553	-0.1262	-0.4006	0.5312	-0.8576	-0.3743
126	52.81	0.11	12.6015	-4.5540	1.2175	3.4147	-0.0807	-0.3471	0.5124	-0.8445	-0.3639
127	52.90	0.12	12.6573	-4.7256	1.3030	3.4837	-0.0763	-0.4352	0.4964	-0.9316	-0.3737
128	53.14	0.11	12.6685	-4.7769	1.2214	3.4053	-0.0957	-0.4291	0.4470	-0.9201	-0.3764
129	53.30	0.14	12.8340	-4.5371	1.5544	3.1039	-0.0432	-0.4317	0.4822	-0.9139	-0.3533
130	53.47	0.13	13.0067	-4.5211	1.5453	3.0217	-0.0350	-0.3800	0.5121	-0.8451	-0.3766
131	53.62	0.13	13.0576	-4.5058	1.5400	2.9277	-0.0271	-0.3762	0.5272	-0.8503	-0.3746
132	53.77	0.10	12.9580	-4.5040	1.3111	2.7055	0.0033	-0.4113	0.4474	-0.9092	-0.3480
133	53.90	0.11	13.2834	-4.8000	1.4055	2.7002	0.0200	-0.3593	0.5501	-0.9054	-0.3618
134	54.11	0.15	13.2147	-4.8870	1.6020	2.5305	0.0202	-0.3407	0.5325	-0.9232	-0.3681
135	54.26	0.11	13.2550	-4.6562	1.4855	2.7227	0.0406	-0.4021	0.5245	-0.9270	-0.3513
136	54.43	0.10	13.5104	-5.0074	1.4027	2.5804	0.0420	-0.3408	0.5624	-0.9117	-0.3751
137	54.60	0.10	13.6557	-5.2157	1.4196	2.5075	0.0557	-0.3743	0.5628	-0.9371	-0.3821
138	54.75	0.10	13.6205	-5.4027	1.4470	2.6445	0.0500	-0.3444	0.5087	-0.9301	-0.3951

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	PAID	RAIO-E	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	144	0.80	1.1	J.0	0.100F15	C.C	0	-20	0	-20	UNKNOWN
PLANT	ALPHA	BETA	CH	CLM	CL	CLN	CLL	LA	LAb	CAF	XCP
139	54.92	0.07	13.8057	-5.2250	1.2470	2.9453	0.0567	-0.3489	0.5789	-0.9278	-0.3509
140	55.11	0.10	14.1755	-5.0711	1.4611	2.8624	0.0570	-0.3074	0.5604	-0.9478	-0.4001
141	55.29	0.05	14.0362	-5.5049	1.3712	2.9342	0.0424	-0.3796	0.5766	-0.9562	-0.3522
142	55.40	0.10	14.2100	-5.5264	1.4400	2.8205	0.0581	-0.3047	0.5603	-0.9510	-0.3889
143	55.61	0.10	14.2066	-5.5675	1.5188	2.8257	0.0580	-0.3301	0.5720	-0.9561	-0.3916
144	55.70	0.10	14.1221	-5.3817	1.5003	2.8223	0.0506	-0.3016	0.5644	-0.9260	-0.3803
145	55.94	0.10	14.2283	-5.3976	1.5134	2.8273	0.0507	-0.3097	0.5637	-0.9534	-0.3754
146	56.00	0.08	14.2797	-5.3263	1.4550	2.8091	0.0506	-0.4155	0.5544	-0.9749	-0.3752
147	56.25	0.00	14.3201	-5.3337	1.2700	2.7305	0.0518	-0.3941	0.5656	-0.9635	-0.3664
148	56.41	0.10	14.4455	-5.0745	1.3555	3.0740	0.0435	-0.4007	0.5741	-0.9748	-0.3913
149	56.50	0.10	14.3736	-5.3730	1.3322	2.9628	0.0511	-0.4050	0.5663	-0.9721	-0.3736
150	56.72	0.00	14.3813	-5.3517	1.1085	2.7908	0.0440	-0.4070	0.5603	-0.9741	-0.3749
151	56.86	0.02	14.3237	-5.3027	1.1335	2.7306	0.0522	-0.3981	0.5600	-0.9581	-0.3702
152	57.02	0.07	14.4072	-5.4365	1.0005	2.7552	0.0450	-0.4120	0.5603	-0.9729	-0.3769
153	57.17	0.08	14.5083	-5.3005	1.0570	2.4503	0.0010	-0.4312	0.5683	-0.9595	-0.3755
154	57.31	0.04	14.4401	-5.2027	1.1735	2.6546	0.0454	-0.4132	0.5643	-0.9625	-0.3632
155	57.47	0.09	14.3905	-5.1556	1.2285	2.5695	0.0456	-0.4261	0.5704	-0.9505	-0.3612
156	57.61	0.09	14.3530	-5.3048	1.1454	2.5224	0.0331	-0.4120	0.5747	-0.9867	-0.3696
157	57.76	0.07	14.3586	-5.3134	1.0292	2.5750	0.0535	-0.4248	0.5681	-0.9525	-0.3675
158	57.91	0.06	14.4432	-5.2355	0.9522	1.9522	0.0410	-0.4034	0.5707	-0.9821	-0.3625

PAGE 2 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH TAIC-E			PHI	CONF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7			1.44	0.00	1.7	0.0	0.00015	0.0	-20	0	-20	UNKNOWN
PLINT	ALPHA	BETA	CONF1	CH1	CL1	ACPF1	YCPF1	CONF2	CH2	CB2	ACPF2	YCPF2
1	-0.05	0.01	-0.0007	0.0025	0.0030	-4.1445	-5.1429	-0.0169	-0.0555	-0.3927	0.0675	0.4807
2	-0.04	0.01	-0.0006	0.0025	0.0024	-4.1063	-4.0333	-0.0203	-0.0554	-0.3944	0.0675	0.4808
3	-0.04	0.01	-0.0004	0.0013	0.0016	-0.3625	-0.5294	-0.6219	-0.0554	-0.3965	0.0674	0.4824
4	-0.04	0.00	-0.0001	0.0023	0.0027	-1.0557	-1.2057	-0.0419	-0.0555	-0.3959	0.0675	0.4817
5	-0.04	0.00	-0.0007	0.0024	0.0030	-4.1445	-5.1429	-0.0153	-0.0552	-0.3933	0.0677	0.4824
6	-0.05	0.00	-0.0007	0.0026	0.0030	-3.7150	-3.1429	-0.0053	-0.0546	-0.3891	0.0680	0.4832
7	-0.06	0.00	-0.0015	0.0026	0.0014	-1.0550	-0.7300	-0.7717	-0.0542	-0.3728	0.0702	0.4830
8	1.00	0.00	-0.0015	0.0012	0.0	-0.1520	0.0	-0.0045	-0.0513	-0.3252	0.0772	0.4854
9	3.25	0.00	-0.0022	0.0024	0.0035	-1.3107	-1.5709	-0.0457	-0.0457	-0.2720	0.0834	0.4966
10	5.13	-0.00	-0.0053	0.0014	0.0043	-0.3500	-0.8113	-0.4302	-0.0374	-0.2185	0.0856	0.5008
11	6.54	-0.00	-0.0053	0.0017	0.0043	-0.3205	-0.8113	-0.3199	-0.0235	-0.1637	0.0826	0.5117
12	8.08	0.00	-0.0024	0.0014	0.0060	-0.7420	-2.5000	-0.2000	-0.0193	-0.1157	0.0966	0.5506
13	10.62	-0.01	-0.0056	0.0018	0.0063	-0.3210	-1.1250	-0.1276	-0.0117	-0.0728	0.0915	0.5706
14	12.50	-0.01	-0.0044	0.0010	0.0057	-0.3030	-2.2045	-0.0443	-0.0037	-0.0408	0.0752	0.6272
15	14.30	-0.00	-0.0017	-0.0008	0.0040	-0.0457	-0.2200	-0.0000	-0.0000	-0.0164	-16.5066	0.6267
16	16.13	-0.01	-0.0047	-0.0010	0.0035	0.0031	-0.4094	0.0421	0.0216	0.0015	0.5491	0.0345
17	17.94	-0.00	-0.0037	-0.0043	0.0000	0.1094	-0.2809	0.0552	0.0352	0.0244	0.3692	0.3691
18	19.84	-0.02	-0.0030	-0.0016	0.0024	0.3310	-0.0114	0.1343	0.0452	0.0445	0.3365	0.3535
19	21.76	-0.02	-0.0022	-0.0016	0.0024	0.2505	-0.3535	0.1817	0.0544	0.0722	0.2953	0.3572
20	23.67	-0.04	-0.0150	-0.0010	0.0000	0.1020	-0.0370	0.2414	0.0640	0.1028	0.2651	0.4260
21	25.55	-0.03	-0.0132	-	-0.0023	0.1270	0.1834	0.3330	0.0725	0.1465	0.2178	0.4411
22	27.46	0.03	0.1552	0.0	0.1023	0.1133	0.0428	0.4548	0.0790	0.2294	0.1613	0.4555
23	29.39	0.03	0.1102	0.0	0.0812	0.1036	0.7306	0.5449	0.0646	0.2401	0.1553	0.4553
24	31.28	0.04	-0.0054	0.0174	0.0230	-2.5505	-3.0905	0.0018	0.0071	0.2622	0.1458	0.4507
25	33.22	0.06	0.0864	0.0255	0.0508	0.3002	0.6570	0.6696	0.0854	0.2945	0.1276	0.4403
26	33.03	0.07	0.0471	0.0250	0.0414	0.5422	0.8070	0.8008	0.0853	0.2905	0.1251	0.4355
27	33.09	0.07	0.0470	0.0264	0.0383	0.5956	0.8029	0.8042	0.0634	0.2908	0.1286	0.4377
28	34.11	0.07	0.0192	0.0305	0.0203	1.3042	1.3090	0.8023	0.0648	0.2070	0.1201	0.4342
29	34.34	0.00	0.0325	0.0304	0.0305	0.9244	0.9271	0.8071	0.0811	0.2393	0.1205	0.4310
30	34.54	0.04	0.0413	0.0350	0.0305	0.8134	0.9445	0.8057	0.0804	0.2005	0.1208	0.4303
31	34.85	0.05	-0.0022	0.0324	0.0203	-14.0077	-9.2273	0.8040	0.0802	0.2357	0.1208	0.4302
32	35.07	0.04	-0.0051	0.0292	0.0250	-5.2104	-4.4343	0.8007	0.0804	0.2005	0.1210	0.4204
33	35.32	0.04	0.0701	0.0371	0.0490	0.4870	0.6513	0.6855	0.0830	0.2450	0.1018	0.4311
34	35.50	0.04	0.1210	0.0384	0.0701	0.3007	0.5494	0.6874	0.0823	0.2501	0.0906	0.4285
35	35.77	0.07	0.2319	0.0397	0.1005	0.1711	0.4784	0.6901	0.0525	0.3008	0.0760	0.4321
36	36.01	0.08	0.1030	0.0453	0.0520	0.2304	0.5071	0.6894	0.0511	0.2507	0.0741	0.4303
37	36.24	0.08	0.1240	0.0425	0.0775	0.3426	0.5719	0.6917	0.0474	0.2567	0.0685	0.4284
38	36.47	0.06	0.1152	0.0430	0.0634	0.3701	0.5500	0.6971	0.0401	0.2551	0.0661	0.4290
39	36.71	0.07	0.1357	0.0411	0.0731	0.2940	0.5233	0.7041	0.0451	0.3024	0.0640	0.4255
40	36.94	0.00	0.1020	0.0381	0.0523	0.3500	0.5073	0.7138	0.0403	0.3110	0.0670	0.4357
41	37.16	0.07	0.0448	0.0356	0.0555	0.7550	0.8031	0.7104	0.0451	0.3073	0.0691	0.4326
42	37.41	0.05	-0.0043	0.0285	-0.0012	-0.4751	0.0410	0.7000	0.0513	0.3057	0.0726	0.4326
43	37.64	0.05	-0.0073	0.0153	-0.0215	-0.1755	0.2571	0.7030	0.0543	0.3058	0.0772	0.4350
44	37.87	0.00	-0.0007	0.0144	-0.0225	-0.1020	0.2505	0.7040	0.0547	0.3053	0.0776	0.4332
45	38.12	0.10	-0.1194	0.0005	-0.0327	-0.0042	0.2741	0.7046	0.0509	0.3074	0.0808	0.4364
46	38.33	0.05	-0.1145	-0.0052	-0.0270	0.0453	0.2352	0.7079	0.0505	0.3070	0.0798	0.4337

PAGE 2 OF 3
SHEET 2 OF 4

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIC-6 PHI CNF C DEL1 DEL2 CEC3 DEL4 TRANSITION												
7 144 0.00 1.7 0.0 0.00015 0.0 0 -20 0 -20 UNKNOWN												
P/INT	ALPHA	BETA	CNF1	LM1	Col	XCPF1	YCPF1	CNF2	CM2	CM2	XCPF2	YCPF2
47	38.55	0.09	-0.1177	-0.0000	-0.00278	0.0732	0.2384	0.7183	0.0585	0.3044	0.0784	0.4314
48	38.79	0.10	-0.1023	-0.00127	-0.0013	0.1243	0.2084	0.7253	0.0557	0.3125	0.0768	0.4308
49	39.01	0.11	-0.1242	-0.00175	-0.00331	0.1444	0.2669	0.7411	0.0535	0.3172	0.0722	0.4280
50	39.21	0.10	-0.1343	-0.00164	-0.00403	0.1373	0.3005	0.7451	0.0518	0.3166	0.0697	0.4260
51	39.43	0.11	-0.1455	-0.00065	-0.0044	0.1420	0.3061	0.7485	0.0507	0.3163	0.0677	0.4226
52	39.63	0.11	-0.1458	-0.00065	-0.0044	0.1420	0.3062	0.7487	0.0503	0.3166	0.0661	0.4217
53	39.83	0.12	-0.00016	-0.0012	-0.00255	-0.7503	-1.9375	0.7542	0.0496	0.3184	0.0657	0.4221
54	40.03	0.10	-0.0148	-0.0048	0.0145	-0.3109	-0.9797	0.7543	0.0490	0.3170	0.0649	0.4202
55	40.24	0.11	-0.0118	0.0	0.0155	0.0	-1.6525	0.7545	0.0476	0.3183	0.0631	0.4218
56	40.46	0.11	-0.0042	0.0018	0.0195	-0.4287	-4.7381	0.7649	0.0473	0.3199	0.0618	0.4182
57	40.65	0.11	-0.00403	-0.0035	0.0050	-0.0068	-0.1241	0.7612	0.0490	0.3196	0.0643	0.4198
58	40.87	0.11	-0.0083	-0.0028	0.0063	0.0731	-0.1645	0.7753	0.0476	0.3221	0.0614	0.4159
59	41.08	0.11	-0.0244	-0.0047	0.0102	0.1527	-0.4180	0.7789	0.0461	0.3237	0.0592	0.4156
60	41.28	0.11	-0.0005	-0.0052	0.0101	0.1706	-0.3311	0.7692	0.0441	0.3184	0.0573	0.4139
61	41.46	0.12	-0.0134	-0.0087	0.0134	0.6455	-1.0000	0.7931	0.0439	0.3278	0.0553	0.4133
62	41.66	0.11	-0.0015	-0.0077	0.0044	0.1255	0.0756	0.7759	0.0453	0.3210	0.0584	0.4137
63	41.85	0.12	-0.00371	-0.0115	0.0038	0.3101	-0.1024	0.75005	0.0436	0.3317	0.0540	0.4111
64	42.05	0.13	-0.00415	-0.0046	0.0025	0.2345	-0.0044	0.8037	0.0424	0.3300	0.0527	0.4106
65	42.22	0.12	-0.0005	-0.0112	-0.0025	0.2223	0.0575	0.8004	0.0421	0.3258	0.0526	0.4068
66	42.41	0.12	-0.0027	-0.0100	0.0007	0.3370	-0.2256	0.8143	0.0402	0.3308	0.0493	0.4062
67	42.56	0.12	-0.0074	-0.0115	-0.0016	0.2432	0.0002	0.8176	0.0413	0.3311	0.0505	0.4050
68	42.76	0.12	-0.0017	-0.0107	0.0000	0.4533	-0.2501	0.8421	0.0369	0.3347	0.0438	0.4034
69	42.96	0.11	-0.00381	-0.0105	-0.0005	0.2862	0.0238	0.8454	0.0378	0.3301	0.0447	0.4023
70	43.13	0.11	-0.00286	-0.0110	0.0007	0.4024	-0.0243	0.8388	0.0364	0.3374	0.0433	0.4022
71	43.31	0.11	-0.00772	-0.0057	0.0065	0.5642	-0.4012	0.8422	0.0367	0.3384	0.0435	0.4018
72	43.48	0.11	-0.0046	-0.0133	-0.0074	0.2861	0.1591	0.8596	0.0352	0.3438	0.0405	0.4000
73	43.66	0.11	-0.00261	-0.0105	0.0031	0.4025	-0.1186	0.8562	0.0350	0.3422	0.0408	0.3997
74	43.87	0.11	-0.00201	-0.0105	0.0031	0.3020	-0.2537	0.8606	0.0339	0.3450	0.0391	0.3982
75	44.04	0.11	-0.00028	-0.0062	0.0024	2.3850	-4.9615	0.8668	0.0336	0.3420	0.0387	0.3957
76	44.21	0.11	-0.00053	-0.0062	0.0110	1.5473	-2.0755	0.8636	0.0327	0.3449	0.0378	0.3936
77	44.41	0.12	-0.0046	-0.0051	0.0176	-1.1071	3.8696	0.8636	0.0321	0.3395	0.0371	0.3936
78	44.58	0.11	0.0000	-0.0052	0.0130	-1.4450	3.0411	0.8626	0.0321	0.3512	0.0359	0.3935
79	44.76	0.12	0.00137	-0.0035	0.0150	-0.2550	1.5869	0.8774	0.0315	0.3438	0.0358	0.3915
80	44.94	0.12	-0.00020	-0.0054	0.0123	2.0777	-4.7300	0.8840	0.0328	0.3464	0.0371	0.3919
81	45.13	0.12	-0.0005	-0.0053	0.0130	0.5557	-1.4607	0.8694	0.0321	0.3455	0.0360	0.3885
82	45.30	0.12	0.0015	-0.0015	0.0205	-0.0570	1.0454	0.8914	0.0305	0.3445	0.0343	0.3865
83	45.48	0.12	-0.00036	-0.0046	0.0108	0.8218	-1.9286	0.9050	0.0302	0.3501	0.0334	0.3869
84	45.64	0.12	-0.0013	-0.0050	0.0145	3.0477	-1.1538	0.8916	0.0293	0.3435	0.0329	0.3853
85	45.82	0.12	-0.0001	-0.0037	0.0168	37.0143	-168.0000	0.8917	0.0291	0.3421	0.0327	0.3837
86	46.00	0.12	0.0032	-0.0042	0.0158	-1.3130	4.9375	0.9053	0.0293	0.3473	0.0324	0.3837
87	46.18	0.12	-0.0006	-0.0052	0.0114	0.9239	-2.0357	0.9122	0.0291	0.3488	0.0320	0.3822
88	46.35	0.12	-0.0008	-0.0042	0.0121	0.7244	-0.0802	0.9190	0.0289	0.3512	0.0315	0.3822
89	46.52	0.11	-0.00057	-0.0053	0.0036	0.2606	-0.1008	0.9093	0.0298	0.3448	0.0330	0.3807
90	46.68	0.10	-0.0006	-0.0125	-0.0002	0.2600	0.1021	0.9139	0.0297	0.3402	0.0326	0.3788
91	46.87	0.12	-0.0003	-0.0141	-0.0116	0.2131	0.1752	0.9343	0.0294	0.3554	0.0315	0.3804
92	47.03	0.10	-0.0017	-0.0195	-0.0171	0.2130	0.1867	0.9120	0.0301	0.3481	0.0331	0.3817

PAGE 2 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
1 1.44 0.80 1.0 0.0 0.00015 0.0 0 -20 0 -20 UNKNOWN												
FLINT	ALPHA	BETA	CNF1	CH1	CL1	XCFF1	YCFF1	CAF2	CH2	LC2	XCFF2	YCFF2
93	47.21	0.00	-0.1210	-0.0237	-0.0307	0.1901	0.2539	0.5252	0.0297	0.3522	0.0320	0.3791
94	47.39	0.00	-0.1209	-0.0235	-0.0300	0.1946	0.2403	0.5224	0.0293	0.3540	0.0315	0.3797
95	47.56	0.00	-0.1076	-0.0236	-0.0233	0.2215	0.2107	0.5393	0.0293	0.3565	0.0307	0.3796
96	47.73	0.00	-0.2100	-0.0305	-0.0082	0.1795	0.3140	0.5323	0.0296	0.3540	0.0318	0.3757
97	47.90	0.00	-0.2383	-0.0423	-0.0796	0.1774	0.3340	0.5341	0.0296	0.3534	0.0317	0.3783
98	48.07	0.00	-0.2744	-0.0479	-0.0934	0.1745	0.3477	0.5375	0.0291	0.3559	0.0311	0.3757
99	48.22	0.00	-0.2931	-0.0515	-0.1005	0.1757	0.3635	0.5341	0.0291	0.3522	0.0312	0.3771
100	48.39	0.00	-0.3051	-0.0521	-0.1090	0.1707	0.3600	0.5442	0.0300	0.3525	0.0316	0.3757
101	48.54	0.00	-0.3075	-0.0530	-0.1143	0.1749	0.3719	0.5444	0.0290	0.3556	0.0305	0.3768
102	48.71	0.00	-0.2984	-0.0551	-0.1115	0.1840	0.3738	0.5545	0.0295	0.3555	0.0278	0.3770
103	48.88	0.00	-0.3015	-0.0458	-0.1150	0.1432	0.3909	1.0147	0.0340	0.3576	0.0335	0.3821
104	49.00	0.00	-0.3109	-0.0437	-0.1192	0.1405	0.3636	0.5610	0.0334	0.3520	0.0340	0.3792
105	49.23	0.00	-0.2941	-0.0454	-0.0990	0.1859	0.4057	1.0200	0.0297	0.3573	0.0262	0.3754
106	49.41	0.00	-0.3000	-0.0419	-0.1238	0.1305	0.4034	0.5475	0.0347	0.3757	0.0347	0.3806
107	49.56	0.00	-0.3090	-0.0420	-0.1268	0.1350	0.4054	0.5527	0.0336	0.3755	0.0338	0.3788
108	49.74	0.00	-0.2701	-0.0476	-0.1105	0.1723	0.4003	0.5625	0.0298	0.3682	0.0304	0.3746
109	49.92	0.00	-0.2740	-0.0505	-0.1080	0.2001	0.3775	0.5618	0.0299	0.3605	0.0254	0.3753
110	50.09	0.02	-0.2430	-0.0451	-0.1000	0.2020	0.4141	0.5606	0.0230	0.3587	0.0241	0.3723
111	50.26	0.02	-0.2405	-0.0471	-0.0954	0.1910	0.4033	0.5620	0.0240	0.3657	0.0253	0.3725
112	50.44	0.02	-0.2240	-0.0532	-0.0800	0.2375	0.3857	0.5605	0.0237	0.3563	0.0248	0.3716
113	50.60	0.03	-0.2234	-0.0548	-0.0735	0.2004	0.3290	0.5606	0.0320	0.3376	0.0352	0.3724
114	50.78	0.00	-0.1753	-0.0423	-0.0409	0.2411	0.2707	0.5407	0.0351	0.3552	0.0370	0.3753
115	50.97	0.05	-0.1035	-0.0354	-0.0354	0.2408	0.2805	0.4501	0.0350	0.3569	0.0368	0.3757
116	51.13	0.05	-0.1050	-0.0428	-0.0527	0.2504	0.2837	0.4405	0.0351	0.3540	0.0370	0.3733
117	51.30	0.06	-0.1034	-0.0411	-0.0468	0.2513	0.2739	0.5720	0.0355	0.3634	0.0365	0.3736
118	51.46	0.09	-0.1001	-0.0421	-0.0441	0.2502	0.2621	1.0042	0.0340	0.3750	0.0346	0.3734
119	51.64	0.09	-0.2241	-0.0450	-0.0645	0.2166	0.2895	0.5943	0.0338	0.3700	0.0339	0.3721
120	51.81	0.09	-0.2210	-0.0487	-0.0633	0.2197	0.2856	1.0097	0.0334	0.3756	0.0330	0.3722
121	51.97	0.10	-0.2114	-0.0473	-0.0587	0.2237	0.2776	1.0248	0.0351	0.3806	0.0342	0.3714
122	52.14	0.11	-0.2150	-0.0466	-0.0605	0.2250	0.3020	1.0205	0.0300	0.3706	0.0294	0.3690
123	52.32	0.11	-0.2004	-0.0452	-0.0554	0.1846	0.3581	1.0366	0.0257	0.3625	0.0248	0.3688
124	52.48	0.13	-0.2100	-0.0452	-0.0741	0.2277	0.3431	1.0150	0.0212	0.3707	0.0209	0.3657
125	52.65	0.13	-0.1955	-0.0463	-0.0741	0.2319	0.3713	1.0158	0.0193	0.3693	0.0190	0.3635
126	52.81	0.11	-0.1027	-0.0440	-0.0500	0.2252	0.3440	0.9636	0.0172	0.3404	0.0179	0.3616
127	52.98	0.12	-0.1968	-0.0443	-0.0750	0.2245	0.3810	0.5735	0.0179	0.3533	0.0184	0.3628
128	53.14	0.11	-0.1624	-0.0415	-0.0624	0.2540	0.3825	0.5601	0.0163	0.3595	0.0166	0.3646
129	53.30	0.14	-0.1115	-0.0301	-0.0414	0.2703	0.3707	0.5213	0.0171	0.3330	0.0186	0.3614
130	53.47	0.13	-0.1251	-0.0394	-0.0450	0.2607	0.3555	0.5095	0.0143	0.3442	0.0151	0.3621
131	53.62	0.13	-0.0800	-0.0242	-0.0240	0.3524	0.3581	0.4506	0.0152	0.3454	0.0160	0.3634
132	53.77	0.10	-0.0543	-0.0100	-0.0102	0.3143	0.2750	0.6037	0.0179	0.3108	0.0203	0.3600
133	53.96	0.11	-0.0270	-0.0091	-0.0041	0.3372	0.1519	0.5179	0.0177	0.3310	0.0193	0.3606
134	54.11	0.13	-0.0310	-0.0103	-0.0020	0.3240	0.0881	0.5140	0.0170	0.3300	0.0186	0.3608
135	54.26	0.11	-0.0031	-0.0004	-0.0000	0.2604	0.2159	0.6872	0.0174	0.3186	0.0196	0.3553
136	54.43	0.10	-0.0000	-0.0000	-0.0000	0.4654	-0.1834	0.4250	0.0154	0.3342	0.0172	0.3613
137	54.60	0.10	-0.0000	-0.0000	-0.0000	0.1564	0.0969	0.8924	0.0168	0.3206	0.0189	0.3592
138	54.75	0.10	-0.0000	-0.0000	-0.0000	0.0047	-0.3907	0.4009	0.0173	0.3239	0.0192	0.3595

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	AXIS	PHI	CONE	1	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		144	0.00	1.07	0.00	0.00	0.00	-20	0	-20	UNKNOWN	
PLANT	ALPHA	BETA	CNF1	CHI	CBI	XCPF1	YCPF1	CNF2	CHI2	CBI2	XCPF2	YCPF2
139	55.92	0.07	-0.0214	-0.0007	-0.0003	-0.0327	-0.0378	-0.0043	0.0160	0.3243	0.0184	0.3588
140	55.11	0.10	-0.0257	-0.0010	0.0001	0.0309	-0.0294	0.0371	0.0149	0.3385	0.0155	0.3613
141	55.29	0.05	-0.0380	-0.0006	0.0021	0.0217	-0.0341	0.0343	0.0140	0.3404	0.0145	0.3608
142	55.40	0.10	-0.0392	-0.0075	0.0040	0.0114	-0.0224	0.0200	0.0149	0.3337	0.0161	0.3602
143	55.01	0.10	-0.0239	-0.0075	0.0091	0.0307	-0.0308	0.0375	0.0136	0.3458	0.0142	0.3612
144	55.76	0.10	-0.0454	-0.0006	0.0034	0.0199	-0.0192	0.0323	0.0130	0.3446	0.0137	0.3621
145	55.14	0.10	-0.0500	-0.0016	0.0010	0.0269	-0.0197	0.0302	0.0132	0.3385	0.0141	0.3601
146	50.00	0.00	-0.0093	-0.0100	-0.0027	0.0440	0.0390	0.0229	0.0144	0.3324	0.0156	0.3602
147	56.25	0.00	-0.0278	-0.0035	0.0125	0.0403	-0.0446	0.0504	0.0134	0.3407	0.0141	0.3585
148	50.41	0.10	-0.0445	-0.0030	0.0004	0.0070	-0.0154	0.0303	0.0129	0.3441	0.0136	0.3621
149	50.50	0.10	-0.0576	-0.0040	0.0032	0.0796	-0.0555	0.0404	0.0135	0.3400	0.0143	0.3585
150	50.72	0.00	-0.0067	-0.0044	0.0121	0.0434	-0.0341	0.0401	0.0124	0.3459	0.0125	0.3556
151	50.88	0.00	-0.0343	-0.0002	0.0130	0.0058	-0.0365	0.0450	0.0126	0.3392	0.0134	0.3590
152	57.02	0.07	-0.0380	0.00	0.0124	0.0	-0.0190	0.0007	0.0130	0.3473	0.0135	0.3553
153	57.17	0.00	-0.0370	-0.0006	0.0158	0.0180	-0.0202	0.0617	0.0130	0.3446	0.0135	0.3566
154	57.31	0.04	-0.0044	-0.0023	0.0101	0.0350	-0.0044	0.0517	0.0126	0.3392	0.0133	0.3564
155	57.47	0.05	-0.0530	0.00	0.0142	0.0	-0.0204	0.0394	0.0134	0.3370	0.0143	0.3588
156	57.01	0.05	-0.0322	0.0000	0.0010	-0.0130	-0.0077	0.0700	0.0117	0.3489	0.0121	0.3567
157	57.76	0.07	-0.0455	-0.0012	0.0150	0.0241	-0.0312	0.0750	0.0116	0.3507	0.0119	0.3557
158	57.41	0.00	-0.0431	0.0031	0.0003	-0.0721	-0.0721	0.0049	0.0114	0.3447	0.0124	0.3573

NANTIN MISSILE TAILS EFFECTS DATA

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PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	REXIC-6	PHI	CNPF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION		
1	144	0.00	1.7	0.0	0.0	0	-20	0	-20	UNKNOWN		
PLINT	ALPHA	BETA	CNPF3	CH3	CH3	ALPF3	YCPF3	CNPF4	CH4	CB4	XCPF4	YCPF4
47	38.55	0.09	0.0514	0.9999	0.0284	0.9999	0.5315	0.5053	0.0366	0.2768	0.0667	0.4897
48	38.74	0.10	0.0445	0.9999	0.0284	0.9999	0.5556	0.5528	0.0367	0.2732	0.0663	0.4943
49	39.01	0.11	0.0517	0.9999	0.0278	0.9999	0.5368	0.5544	0.0370	0.2741	0.0667	0.4945
50	39.21	0.10	0.0532	0.9999	0.0285	0.9999	0.5367	0.5574	0.0364	0.2716	0.0661	0.4869
51	39.43	0.11	0.0428	0.9999	0.0336	0.9999	0.5376	0.5618	0.0363	0.2758	0.0645	0.4910
52	39.64	0.11	0.0484	0.9999	0.0215	0.9999	0.5044	0.5549	0.0374	0.2710	0.0666	0.4885
53	39.83	0.12	0.0542	0.9999	0.0258	0.9999	0.5408	0.5613	0.0364	0.2755	0.0648	0.4905
54	40.03	0.10	0.0545	0.9999	0.0304	0.9999	0.5506	0.5646	0.0360	0.2651	0.0615	0.4878
55	40.24	0.11	0.0607	0.9999	0.0340	0.9999	0.5611	0.5613	0.0355	0.2647	0.0610	0.4898
56	40.46	0.11	0.0552	0.9999	0.0332	0.9999	0.5618	0.5676	0.0346	0.2419	0.0582	0.4884
57	40.65	0.11	0.0545	0.9999	0.0304	0.9999	0.5588	0.5676	0.0345	0.2525	0.0583	0.4894
58	40.87	0.11	0.0546	0.9999	0.0258	0.9999	0.5408	0.5655	0.0355	0.2505	0.0595	0.4877
59	41.08	0.11	0.0552	0.9999	0.0332	0.9999	0.5618	0.5619	0.0357	0.2896	0.0602	0.4892
60	41.26	0.11	0.0481	0.9999	0.0274	0.9999	0.5612	0.5635	0.0346	0.2659	0.0582	0.4884
61	41.40	0.12	0.0543	0.9999	0.0315	0.9999	0.5612	0.5751	0.0355	0.2801	0.0624	0.4871
62	41.66	0.11	0.0543	0.9999	0.0305	0.9999	0.5701	0.5603	0.0352	0.2931	0.0586	0.4882
63	41.65	0.12	0.0511	0.9999	0.0313	0.9999	0.6137	0.5806	0.0357	0.2838	0.0614	0.4885
64	42.03	0.13	0.0590	0.9999	0.0331	0.9999	0.5620	0.6040	0.0346	0.2900	0.0572	0.4806
65	42.22	0.12	0.0511	0.9999	0.0306	0.9999	0.6000	0.5984	0.0354	0.2857	0.0551	0.4856
66	42.41	0.12	0.0632	0.9999	0.0335	0.9999	0.5453	0.6000	0.0351	0.2859	0.0554	0.4831
67	42.50	0.12	0.0543	0.9999	0.0305	0.9999	0.5701	0.6038	0.0352	0.2894	0.0582	0.4792
68	42.76	0.12	0.0543	0.9999	0.0341	0.9999	0.5602	0.5910	0.0359	0.2852	0.0607	0.4826
69	42.90	0.11	0.0637	0.9999	0.0341	0.9999	0.5602	0.6075	0.0346	0.2925	0.0572	0.4826
70	43.13	0.11	0.0575	0.9999	0.0311	0.9999	0.5416	0.6001	0.0355	0.2894	0.0591	0.4830
71	43.31	0.11	0.0655	0.9999	0.0377	0.9999	0.5401	0.6000	0.0355	0.2859	0.0591	0.4764
72	43.48	0.11	0.0543	0.9999	0.0305	0.9999	0.5701	0.5905	0.0355	0.2843	0.0594	0.4767
73	43.66	0.11	0.0556	0.9999	0.0316	0.9999	0.5673	0.5964	0.0356	0.2843	0.0556	0.4767
74	43.87	0.11	0.0574	0.9999	0.0316	0.9999	0.5550	0.6001	0.0352	0.2838	0.0586	0.4730
75	44.04	0.11	0.0667	0.9999	0.0368	0.9999	0.5526	0.5961	0.0362	0.2824	0.0607	0.4738
76	44.21	0.11	0.0744	0.9999	0.0419	0.9999	0.5626	0.6032	0.0361	0.2863	0.0598	0.4745
77	44.41	0.12	0.0652	0.9999	0.0346	0.9999	0.5346	0.5978	0.0364	0.2838	0.0608	0.4748
78	44.50	0.11	0.0637	0.9999	0.0341	0.9999	0.5302	0.5941	0.0360	0.2757	0.0615	0.4708
79	44.76	0.12	0.0574	0.9999	0.0316	0.9999	0.5350	0.5978	0.0362	0.2818	0.0605	0.4714
80	44.94	0.12	0.0652	0.9999	0.0361	0.9999	0.5445	0.6142	0.0355	0.2896	0.0577	0.4715
81	45.13	0.12	0.0605	0.9999	0.0335	0.9999	0.5613	0.6284	0.0353	0.2919	0.0561	0.4645
82	45.30	0.12	0.0667	0.9999	0.0368	0.9999	0.5526	0.6102	0.0362	0.2855	0.0593	0.4678
83	45.46	0.12	0.0651	0.9999	0.0367	0.9999	0.5646	0.6195	0.0355	0.2886	0.0572	0.4658
84	45.64	0.12	0.0620	0.9999	0.0306	0.9999	0.5784	0.6024	0.0345	0.2647	0.0545	0.4666
85	45.82	0.12	0.0651	0.9999	0.0373	0.9999	0.5736	0.6322	0.0348	0.2941	0.0550	0.4652
86	46.00	0.12	0.0635	0.9999	0.0376	0.9999	0.5702	0.6338	0.0352	0.2942	0.0555	0.4641
87	46.16	0.12	0.0615	0.9999	0.0377	0.9999	0.6100	0.6353	0.0357	0.2944	0.0561	0.4634
88	46.35	0.12	0.0635	0.9999	0.0372	0.9999	0.5868	0.6428	0.0349	0.2975	0.0542	0.4628
89	46.52	0.11	0.0582	0.9999	0.0368	0.9999	0.6284	0.6613	0.0332	0.3038	0.0501	0.4593
90	46.68	0.10	0.0572	0.9999	0.0346	0.9999	0.6095	0.6744	0.0328	0.3101	0.0486	0.4598
91	46.87	0.12	0.0642	0.9999	0.0365	0.9999	0.6140	0.6654	0.0330	0.3062	0.0455	0.4601
92	47.03	0.10	0.0571	0.9999	0.0366	0.9999	0.6316	0.6804	0.0314	0.3136	0.0461	0.4605

PAGE 3 OF 3
SHEET 3 OF 4

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	AXIS	PHI	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	1.4	0.00	1.7	C.C. 010015	C.C.	0	-20	0	UNKNOWN
PC1AT	ALPHA	BETA	CONF3	CONF4	CONF5	CONF6	CONF7	CONF8	CONF9
93	47.21	0.10	0.0416	0.0416	0.0280	0.0416	0.0416	0.0416	0.0416
94	47.38	0.09	0.0416	0.0416	0.0316	0.0416	0.0416	0.0416	0.0416
95	47.50	0.08	0.0416	0.0416	0.0354	0.0416	0.0416	0.0416	0.0416
96	47.73	0.07	0.0416	0.0416	0.0392	0.0416	0.0416	0.0416	0.0416
97	47.90	0.06	0.0416	0.0416	0.0430	0.0416	0.0416	0.0416	0.0416
98	48.05	0.05	0.0416	0.0416	0.0468	0.0416	0.0416	0.0416	0.0416
99	48.22	0.04	0.0416	0.0416	0.0506	0.0416	0.0416	0.0416	0.0416
100	48.39	0.03	0.0416	0.0416	0.0544	0.0416	0.0416	0.0416	0.0416
101	48.54	0.02	0.0416	0.0416	0.0582	0.0416	0.0416	0.0416	0.0416
102	48.71	0.01	0.0416	0.0416	0.0620	0.0416	0.0416	0.0416	0.0416
103	48.88	0.00	0.0416	0.0416	0.0658	0.0416	0.0416	0.0416	0.0416
104	49.06	0.01	0.0416	0.0416	0.0696	0.0416	0.0416	0.0416	0.0416
105	49.23	0.02	0.0416	0.0416	0.0734	0.0416	0.0416	0.0416	0.0416
106	49.41	0.03	0.0416	0.0416	0.0772	0.0416	0.0416	0.0416	0.0416
107	49.58	0.04	0.0416	0.0416	0.0810	0.0416	0.0416	0.0416	0.0416
108	49.74	0.05	0.0416	0.0416	0.0848	0.0416	0.0416	0.0416	0.0416
109	49.92	0.06	0.0416	0.0416	0.0886	0.0416	0.0416	0.0416	0.0416
110	50.09	0.07	0.0416	0.0416	0.0924	0.0416	0.0416	0.0416	0.0416
111	50.26	0.08	0.0416	0.0416	0.0962	0.0416	0.0416	0.0416	0.0416
112	50.44	0.09	0.0416	0.0416	0.1000	0.0416	0.0416	0.0416	0.0416
113	50.60	0.10	0.0416	0.0416	0.1038	0.0416	0.0416	0.0416	0.0416
114	50.78	0.11	0.0416	0.0416	0.1076	0.0416	0.0416	0.0416	0.0416
115	50.97	0.12	0.0416	0.0416	0.1114	0.0416	0.0416	0.0416	0.0416
116	51.13	0.13	0.0416	0.0416	0.1152	0.0416	0.0416	0.0416	0.0416
117	51.30	0.14	0.0416	0.0416	0.1190	0.0416	0.0416	0.0416	0.0416
118	51.48	0.15	0.0416	0.0416	0.1228	0.0416	0.0416	0.0416	0.0416
119	51.64	0.16	0.0416	0.0416	0.1266	0.0416	0.0416	0.0416	0.0416
120	51.81	0.17	0.0416	0.0416	0.1304	0.0416	0.0416	0.0416	0.0416
121	51.97	0.18	0.0416	0.0416	0.1342	0.0416	0.0416	0.0416	0.0416
122	52.14	0.19	0.0416	0.0416	0.1380	0.0416	0.0416	0.0416	0.0416
123	52.32	0.20	0.0416	0.0416	0.1418	0.0416	0.0416	0.0416	0.0416
124	52.48	0.21	0.0416	0.0416	0.1456	0.0416	0.0416	0.0416	0.0416
125	52.65	0.22	0.0416	0.0416	0.1494	0.0416	0.0416	0.0416	0.0416
126	52.81	0.23	0.0416	0.0416	0.1532	0.0416	0.0416	0.0416	0.0416
127	52.98	0.24	0.0416	0.0416	0.1570	0.0416	0.0416	0.0416	0.0416
128	53.14	0.25	0.0416	0.0416	0.1608	0.0416	0.0416	0.0416	0.0416
129	53.30	0.26	0.0416	0.0416	0.1646	0.0416	0.0416	0.0416	0.0416
130	53.47	0.27	0.0416	0.0416	0.1684	0.0416	0.0416	0.0416	0.0416
131	53.62	0.28	0.0416	0.0416	0.1722	0.0416	0.0416	0.0416	0.0416
132	53.77	0.29	0.0416	0.0416	0.1760	0.0416	0.0416	0.0416	0.0416
133	53.96	0.30	0.0416	0.0416	0.1798	0.0416	0.0416	0.0416	0.0416
134	54.11	0.31	0.0416	0.0416	0.1836	0.0416	0.0416	0.0416	0.0416
135	54.26	0.32	0.0416	0.0416	0.1874	0.0416	0.0416	0.0416	0.0416
136	54.43	0.33	0.0416	0.0416	0.1912	0.0416	0.0416	0.0416	0.0416
137	54.60	0.34	0.0416	0.0416	0.1950	0.0416	0.0416	0.0416	0.0416
138	54.75	0.35	0.0416	0.0416	0.1988	0.0416	0.0416	0.0416	0.0416

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC) / BY TO FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE	1 OF 3
SHEET	3 OF 6
MARTIN MISSILE TAILS EFFECTS DATA	

TEST PART MACH MATC-6	PRG	CCNF	1	DEL	1130	DEL	1130	0	07-0	0	02-0	UNKNOWN
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PLINT	ALPHA	BETA	CN	CLN	CT	CLT	CA	CAB	CAP	XCP
881	41.25	50.0	1117.13	-4.4	5193.7	6501.0	9875.7	5070.0	4017.0	915E+0-
131	66.15	40.0	131.0	-4.4	5929.2	5159.2	6900.0	8552.0	559E+0-	
96	18.17	0.0	5535.1	1.0	6435.7	6963.0	7100.0	6472.0	810E+0-	
135	59.15	30.0	5327.13	-4.4	6411.0	8318.2	9920.0	8917.0	833E+0-	
43	84.15	20.0	13.0	-4.4	5930.0	7441.2	6070.0	1147.0	684E+0-	
131	57.15	50.0	1225.1	-4.4	7255.2	6131.2	7100.0	0532.0	913E+0-	
761	80.15	40.0	2471.2	-4.4	5545.0	9550.2	7450.0	0187.0	951E+0-	
111	55.05	70.0	4218.2	-4.4	8988.0	0192.2	5930.0	0862.0	102E+0-	
051	91.0	60.0	2153.2	-4.4	1545.2	7659.2	7100.0	5400.0	101E+0-	
621	85.05	30.0	5735.2	-3.0	5125.2	3953.2	7120.0	1535.0	1742E+0-	
971	14.05	90.0	2254.2	-3.0	6418.0	4575.1	5510.0	0155.0	2982E+0-	
121	42.05	0.0	2155.2	-3.0	6112.0	2152.2	5650.0	9933.0	6582E+0-	
971	50.05	10.0	2255.2	-3.0	7257.2	1171.2	6910.0	5555.0	9482E+0-	
521	60.54	40.0	7352.2	-3.0	3875.0	4982.2	0080.0	0043.0	1612E+0-	
421	45.54	60.0	2472.2	-3.0	4107.2	7127.2	1100.0	1100.0	1982E+0-	
521	45.54	90.0	2252.2	-3.0	6892.2	9892.2	0000.0	1572.0	0522E+0-	
221	45.54	0.0	1545.0	-3.0	6418.0	4575.1	1000.0	0025.0	6812E+0-	
121	45.14	0.0	2274.1	-1.0	5514.0	3111.1	0033.0	0033.0	0981E+0-	
021	00.54	10.0	2355.1	-1.0	3852.2	1054.2	0070.0	0066.0	1531E+0-	
511	48.84	0.0	2114.1	-1.0	6351.0	2632.2	6103.0	6103.0	0651E+0-	
811	48.84	10.0	2211.1	-1.0	5545.2	7255.2	0000.0	7400.0	6501E+0-	
111	48.84	20.0	2255.2	-1.0	6052.2	8052.2	0000.0	0000.0	9221E+0-	
911	48.84	30.0	2274.1	-1.0	6417.2	7255.2	0000.0	0000.0	591E+0-	
115	46.15	10.0	1545.1	-1.0	3040.2	891.2	0000.0	2954.0	1501E+0-	
411	47.04	60.0	1648.0	-1.0	7472.0	1648.0	0070.0	4488.0	2185E+0-	
115	47.17	10.0	1017.3	-1.0	2831.0	1602.1	0000.0	5750.0	5085E+0-	
211	47.04	20.0	2152.2	-1.0	1492.2	2152.2	0000.0	0000.0	5240E+0-	
111	47.04	30.0	2255.2	-1.0	1531.0	2255.2	0000.0	0000.0	9482E+0-	
110	47.04	40.0	2255.2	-1.0	1605.0	2255.2	0000.0	0000.0	9185E+0-	
108	47.04	50.0	2255.2	-1.0	1648.0	2255.2	0000.0	0000.0	5585E+0-	
107	46.05	60.0	1015.3	-1.0	6040.2	5054.2	0070.0	2853.0	1421E+0-	
106	46.05	70.0	1015.3	-1.0	6040.2	5054.2	0070.0	2853.0	1421E+0-	
105	46.05	80.0	1015.3	-1.0	6040.2	5054.2	0070.0	2853.0	1421E+0-	
104	46.05	90.0	1015.3	-1.0	6040.2	5054.2	0070.0	2853.0	1421E+0-	
103	46.05	0.0	1015.3	-1.0	6040.2	5054.2	0070.0	2853.0	1421E+0-	
102	46.05	10.0	1015.3	-1.0	6040.2	5054.2	0070.0	2853.0	1421E+0-	
101	45.07	20.0	1015.3	-1.0	6040.2	5054.2	0070.0	2853.0	1421E+0-	
100	45.05	30.0	1015.3	-1						

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC) 7 BY 10 FOOT TRANSDUCER WIND TUNNEL FACILITY

[illegible]

PLINT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAF	XCP
1	-5.74	-0.01	-1.7257	C.1627	C.6557	-0.1205	0.0145	0.7976	0.2492	-3.5707
2	-5.75	-0.00	-1.7365	C.1618	-0.0001	0.0191	0.0146	0.7877	0.2492	-3.5708
3	-5.75	-0.00	-1.7444	C.1744	0.1200	0.0000	0.0143	0.7884	0.2492	-3.5708
4	-5.51	-0.00	-1.5503	C.0245	C.0245	-0.0105	0.0103	0.7202	0.2492	-3.5699
5	-3.51	-0.00	-1.7051	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
6	-1.70	-0.00	-1.5111	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
7	-0.00	-0.01	-1.2747	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
8	1.83	-0.00	-0.5143	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
9	3.55	-0.01	-0.6715	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
10	5.46	-0.00	-0.4544	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
11	7.33	-0.01	-0.2035	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
12	9.11	-0.00	-0.0205	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
13	10.57	-0.00	0.5130	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
14	12.10	-0.00	1.2732	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
15	13.76	-0.00	2.1000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
16	16.25	-0.00	3.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
17	19.00	-0.00	4.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
18	22.25	-0.00	5.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
19	26.30	-0.01	6.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
20	31.00	-0.00	7.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
21	36.00	-0.00	8.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
22	41.00	-0.00	9.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
23	46.00	-0.00	10.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
24	51.00	-0.00	11.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
25	56.00	-0.00	12.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
26	61.00	-0.00	13.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
27	66.00	-0.00	14.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
28	71.00	-0.00	15.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
29	76.00	-0.00	16.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
30	81.00	-0.00	17.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
31	86.00	-0.00	18.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
32	91.00	-0.00	19.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
33	96.00	-0.00	20.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
34	101.00	-0.00	21.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
35	106.00	-0.00	22.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
36	111.00	-0.00	23.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
37	116.00	-0.00	24.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
38	121.00	-0.00	25.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
39	126.00	-0.00	26.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699
40	131.00	-0.00	27.0000	C.0245	-0.0000	0.0000	0.0000	0.7202	0.2492	-3.5699

PLANT	ALPHA	BETA	GAMMA	DELTA	EPSILON	ZETA	ETA	THETA	IOTA	KAPPA	LAMDA	MU	NU	XI	OMICRON	PI	RHO	SIGMA	TAU	UPSILON	PHI	CHI	PSI	OMEGA
158	57.06	0.00	93.43	55.55	171.00	55.55	88.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	57.06	0.00	72.00	55.55	171.00	55.55	88.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	19.00	0.00	45.00	55.55	171.00	55.55	88.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	57.06	0.00	45.00	55.55	171.00	55.55	88.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	57.06	0.00	10.00	55.55	171.00	55.55	88.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	17.07	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	57.06	0.00	10.00	55.55	171.00	55.55	88.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	56.95	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	56.95	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	56.95	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	56.95	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	56.95	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	56.95	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	55.55	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	55.55	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	55.55	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	55.55	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	55.55	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	55.55	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	56.95	0.00	0.00	55.55	0.00	55.55	55.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4	YCP4

PAGE 1 OF 3
SHEET 6 OF 8

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	RAIO-E	PHI	CONF	T	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		145	0.50	1.7	C.C	BANGFID	C.C	U	-20	U	-20	UNKNOWN
PCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	ACP	
139	52.31	0.06	13.4800	-4.5150	0.8229	2.3504	-0.0135	-0.2249	0.4657	-0.6907	-0.3422	
140	52.40	0.04	13.1711	-4.0046	0.6800	2.4262	-0.0127	-0.2622	0.4681	-0.7304	-0.3511	
141	52.63	0.05	13.5522	-4.5425	0.7805	2.3104	-0.0002	-0.2368	0.4623	-0.7612	-0.3342	
142	52.79	0.08	13.4700	-4.4002	1.0484	2.3075	-0.0200	-0.2677	0.4570	-0.7268	-0.3310	
143	52.58	0.08	13.6338	-4.6465	1.0426	2.1598	-0.0065	-0.2515	0.4646	-0.7164	-0.3410	
144	53.14	0.02	13.1400	-4.5000	0.5002	2.1700	-0.0051	-0.2763	0.4611	-0.7375	-0.3339	
145	53.30	0.06	13.6440	-4.5757	0.9018	2.0604	0.0071	-0.2590	0.4729	-0.7320	-0.3354	
146	53.40	0.03	13.1274	-4.4556	0.6061	2.0325	0.0034	-0.2602	0.4753	-0.7356	-0.3246	
147	53.63	0.03	13.7710	-4.5051	0.8291	1.9546	0.0039	-0.2603	0.4700	-0.7504	-0.3170	
148	53.70	0.02	13.6368	-4.5152	0.9254	1.7709	0.0161	-0.2596	0.4696	-0.7293	-0.3266	
149	53.93	0.01	13.6068	-4.5049	0.9556	1.5713	0.0153	-0.2619	0.4741	-0.7361	-0.3268	
150	54.09	0.07	13.7500	-4.5457	1.0052	1.7206	0.0041	-0.2497	0.4712	-0.7210	-0.3160	
151	54.24	0.07	13.6015	-4.4367	1.0004	1.7487	0.0279	-0.2202	0.4822	-0.7024	-0.3215	
152	54.40	0.02	13.1523	-4.4002	0.9573	1.7208	0.0269	-0.2375	0.4776	-0.7150	-0.3229	
153	54.56	0.04	14.0143	-4.6264	0.7100	1.6501	0.0354	-0.2468	0.4973	-0.7441	-0.3444	
154	54.70	0.03	13.6000	-4.5700	0.7600	1.6016	0.0400	-0.2506	0.4994	-0.7500	-0.3294	
155	54.80	0.03	13.5334	-4.4000	0.7400	1.2326	0.0435	-0.2376	0.5016	-0.7396	-0.3208	
156	55.02	0.07	14.0040	-4.6000	1.1100	1.5084	0.0607	-0.2671	0.5026	-0.7697	-0.3455	
157	55.17	0.05	14.1301	-4.6000	0.8700	1.1551	0.0502	-0.2638	0.5001	-0.7726	-0.3464	
158	55.32	0.05	14.1222	-4.6000	0.9153	1.3231	0.0555	-0.2613	0.5176	-0.7709	-0.3376	
159	55.48	0.05	14.2844	-5.1567	0.9915	1.1042	0.0693	-0.2544	0.5180	-0.7724	-0.3639	
160	55.65	0.01	14.2002	-5.0000	0.6015	1.2002	0.0697	-0.2547	0.5242	-0.7589	-0.3544	
161	55.81	0.05	14.3120	-4.6556	0.5446	1.2585	0.0756	-0.2506	0.5278	-0.7784	-0.3421	
162	55.96	-0.02	14.3000	-5.0000	0.2475	1.2757	0.0643	-0.2701	0.5291	-0.8042	-0.3499	
163	56.09	0.01	14.2315	-5.0000	0.5573	1.3151	0.0596	-0.2609	0.5327	-0.7936	-0.3525	
164	56.26	0.04	14.3267	-5.2000	0.6418	1.3759	0.0690	-0.2626	0.5335	-0.7965	-0.3629	
165	56.42	-0.00	14.3546	-5.1076	0.4385	1.3470	0.0538	-0.2635	0.5343	-0.7978	-0.3558	
166	56.57	0.02	14.4264	-5.0013	0.6505	1.2806	0.0636	-0.2740	0.5339	-0.8079	-0.3454	
167	56.71	0.02	14.3429	-5.0000	0.7002	1.2579	0.0637	-0.2537	0.5409	-0.7946	-0.3489	
168	56.88	-0.01	14.4745	-4.9255	0.3505	1.4441	0.0642	-0.2745	0.5421	-0.8100	-0.3403	
169	57.03	0.00	14.3951	-5.0316	0.4812	1.3778	0.0639	-0.2547	0.5508	-0.8055	-0.3495	
170	57.16	-0.01	14.4255	-4.6016	0.2605	1.2064	0.0607	-0.2707	0.5510	-0.8083	-0.3355	
171	57.31	-0.02	14.4331	-4.7464	0.2755	1.2880	0.0651	-0.2559	0.5668	-0.8227	-0.3250	
172	57.46	-0.00	14.4365	-4.6000	0.3601	1.3672	0.0597	-0.2613	0.5681	-0.8294	-0.3227	
173	57.61	-0.00	14.4250	-4.6223	0.0299	0.1032	0.0643	-0.3555	0.5160	-0.8715	-0.2768	
174	57.76	-0.07	14.4634	-3.6540	0.0303	-0.7006	0.0592	-0.3590	0.4901	-0.8440	-0.2663	
175	57.91	-0.12	14.5376	-4.2478	-0.3710	-0.8091	0.0586	-0.3557	0.3055	-0.8609	-0.2922	
176	58.05	-0.09	14.5210	-4.1512	-0.2355	-1.2777	0.0404	-0.2725	0.5606	-0.8393	-0.3258	
177	58.13	-0.12	14.3864	-4.4707	-0.6241	-0.5613	-0.0457	-0.2696	0.5628	-0.8324	-0.3168	

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: R210-6		P/N: CNF1		C		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7 145 0.00 1.0		U-0 0.00 1.0		C.C		U		-20		U		-20		UNANCH	
PLINT	ALPHA	BETA	CNF1	CNF1	CNF1	XCPF1	YCPF1	CNF2	CNF2	CNF2	XCPF2	YCPF2			
1	-5.74	0.01	-0.0171	0.0008	0.0007	-0.0457	-0.4971	-0.0666	-0.0236	-0.3732	0.0258	0.4308			
2	-5.75	-0.00	-0.0167	0.0002	0.0075	-0.0107	-0.4225	-0.0754	-0.0235	-0.3775	0.0256	0.4312			
3	-5.75	0.00	-0.0163	0.0010	0.0000	-0.0614	-0.0135	-0.0547	-0.0253	-0.3852	0.0256	0.4315			
4	-5.36	0.00	-0.0213	0.00	0.0070	0.00	-0.3286	-1.0249	-0.0421	-0.4606	0.0410	0.4456			
5	-3.51	0.00	-0.0158	0.0013	0.0000	-0.0823	-0.3747	-0.0523	-0.0460	-0.4575	0.0468	0.4657			
6	-1.16	-0.00	-0.0172	0.0015	0.0054	-0.1105	-0.3140	-0.0753	-0.0408	-0.4448	0.0532	0.4854			
7	0.04	0.01	-0.0150	0.0021	0.0041	-0.1610	-0.3154	-0.0767	-0.0452	-0.3845	0.0565	0.5017			
8	1.03	0.00	-0.0102	0.0020	0.0038	-0.1902	-0.3725	-0.0428	-0.0406	-0.3205	0.0715	0.5117			
9	3.65	-0.01	-0.0015	0.0025	0.0001	-0.5541	5.4000	-0.5113	-0.0455	-0.2645	0.0751	0.5573			
10	5.46	0.00	-0.0074	0.0001	0.0050	-0.0135	-0.0757	-0.0397	-0.0337	-0.2253	0.0664	0.5761			
11	7.33	0.01	-0.0063	0.00	0.0074	0.00	-1.1746	-0.2612	-0.0261	-0.1670	0.0530	0.5538			
12	9.11	0.00	-0.0051	0.00	0.0007	0.00	-1.7054	-0.1731	-0.0101	-0.1106	0.1047	0.6703			
13	10.97	-0.00	-0.0002	-0.0003	0.0058	0.0294	-0.5086	-0.0707	-0.0111	-0.0715	0.1450	0.5321			
14	12.78	-0.00	-0.0016	-0.0010	0.0007	0.0002	-0.5776	-0.0029	-0.0015	-0.0340	0.1174	11.7241			
15	14.64	0.00	-0.0015	-0.0016	0.0055	0.1345	-0.7583	0.0362	0.0153	-0.0180	0.4228	-0.4572			
16	16.55	-0.00	-0.0020	-0.0047	0.0051	0.2137	-0.2316	0.0617	0.0301	-0.0010	0.3650	-0.0123			
17	18.40	-0.02	-0.0077	-0.0103	0.0154	0.2733	-0.4085	0.1273	0.0415	0.0218	0.3259	0.1715			
18	20.30	-0.01	-0.0075	-0.0150	0.0127	0.2614	-0.2213	0.1646	0.0528	0.0534	0.2655	0.2918			
19	22.25	-0.02	-0.0035	-0.0230	0.0050	0.2225	-0.0404	0.2319	0.0624	0.0791	0.2651	0.3411			
20	24.15	-0.03	-0.0057	-0.0251	-0.0324	0.1504	-0.2044	0.3027	0.0726	0.1151	0.2406	0.3804			
21	26.00	-0.02	-0.0256	-0.0040	0.0125	0.1343	-0.4155	0.4374	0.0655	0.1633	0.1839	0.4186			
22	27.84	0.04	0.0216	0.0222	0.1001	0.0803	0.5404	0.5648	0.0832	0.2352	0.1474	0.4235			
23	27.82	0.02	0.1364	0.0105	0.0035	0.0771	0.6153	0.5352	0.0835	0.2266	0.1561	0.4234			
24	28.08	0.04	0.1070	0.0145	0.1662	0.0745	0.5056	0.5529	0.0637	0.2347	0.1515	0.4245			
25	28.40	0.03	0.1600	0.0133	0.0088	0.0830	0.5530	0.5653	0.0647	0.2426	0.1488	0.4261			
26	28.75	0.04	0.2340	0.0150	0.1273	0.0636	0.5420	0.5501	0.0647	0.2515	0.1436	0.4262			
27	29.03	0.04	0.2118	0.0175	0.1157	0.0826	0.5466	0.5591	0.0643	0.2550	0.1408	0.4270			
28	29.32	0.05	0.2725	0.0247	0.1405	0.0906	0.5159	0.6179	0.0641	0.2647	0.1362	0.4285			
29	29.61	0.06	0.2846	0.0267	0.1407	0.0939	0.5145	0.6248	0.0646	0.2681	0.1351	0.4292			
30	29.90	0.07	0.2761	0.0274	0.1443	0.0907	0.5167	0.6397	0.0647	0.2741	0.1325	0.4285			
31	30.17	0.07	0.2525	0.0252	0.1513	0.1001	0.5176	0.6501	0.0655	0.2765	0.1300	0.4285			
32	30.43	0.06	0.2631	0.0313	0.1464	0.1188	0.5354	0.6455	0.0653	0.2776	0.1322	0.4301			
33	30.73	0.06	0.2441	0.0263	0.1312	0.1079	0.5373	0.6574	0.0655	0.2828	0.1301	0.4302			
34	30.99	0.06	0.2057	0.0283	0.1155	0.1378	0.5618	0.6475	0.0659	0.2805	0.1327	0.4277			
35	31.28	0.06	0.1571	0.0226	0.0910	0.1441	0.5793	0.6549	0.0643	0.2805	0.1318	0.4284			
36	31.54	0.07	0.1314	0.0202	0.0757	0.2142	0.6044	0.6444	0.0607	0.2745	0.1346	0.4267			
37	31.82	0.07	0.2178	0.0334	0.1140	0.1532	0.5237	0.6654	0.0658	0.2831	0.1290	0.4255			
38	32.08	0.06	0.1932	0.0205	0.1014	0.1498	0.5275	0.6704	0.0657	0.2850	0.1275	0.4252			
39	32.36	0.06	0.2011	0.0328	0.1116	0.1628	0.5352	0.6655	0.0653	0.2893	0.1230	0.4215			
40	32.61	0.05	0.2460	0.0317	0.1172	0.1287	0.4706	0.6979	0.0618	0.2931	0.1173	0.4196			
41	32.86	0.06	0.3240	0.0361	0.1510	0.1172	0.4649	0.6904	0.0733	0.2807	0.1062	0.4066			
42	33.11	0.05	0.3061	0.0362	0.1672	0.1037	0.4543	0.6739	0.0645	0.2705	0.0957	0.4014			
43	33.39	0.08	0.3447	0.0363	0.1575	0.1052	0.4569	0.6914	0.0659	0.2805	0.0953	0.4063			
44	33.63	0.07	0.3400	0.0353	0.1522	0.1037	0.4476	0.6963	0.0641	0.2607	0.0921	0.4032			
45	33.87	0.07	0.2928	0.0325	0.1375	0.1055	0.4696	0.6947	0.0654	0.2803	0.0942	0.4031			
46	34.14	0.08	0.2503	0.0278	0.1404	0.0934	0.4706	0.7009	0.0632	0.2834	0.0902	0.4044			

PAGE 2 OF 3
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MARTIN MISSILE TAILS EFFECTS DATA

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PAGE 2 OF 3
 SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

PLINT	TEST PART MACH 0.50 1.7			PH1 CNF1		DEL1 DEL2		DEL3 DEL4		TRANSITION		
	ALPHA	BETA	CNF1	CH1	COL	XCFF1	YCFF1	CNF2	CN2	CB2	XCFF2	YCFF2
93	44.20	0.00	0.0536	0.0003	0.0036	0.1178	0.0673	0.9365	0.0577	0.3768	0.0616	0.4023
94	44.41	0.00	0.0129	0.0004	0.0176	0.0310	1.3643	0.9096	0.0556	0.3651	0.0655	0.4014
95	44.53	0.01	0.0215	0.0046	0.0011	0.2140	0.0512	0.9303	0.0555	0.3741	0.0640	0.4021
96	44.76	0.01	0.0277	0.0045	0.0074	0.1770	0.2071	0.9425	0.0579	0.3765	0.0614	0.4016
97	44.96	0.01	0.0165	0.0007	0.0032	0.0630	0.6870	0.9365	0.0606	0.3626	0.0666	0.3985
98	45.15	0.01	0.0067	0.0002	0.0006	0.1302	0.0391	0.9411	0.0574	0.3754	0.0610	0.3984
99	45.33	0.02	0.0245	0.0043	0.0015	0.0507	0.7266	0.9274	0.0590	0.3714	0.0636	0.4004
100	45.50	0.02	0.0247	0.0066	0.0063	0.2673	0.2551	0.9514	0.0587	0.3743	0.0617	0.3987
101	45.67	0.01	0.0078	0.0021	0.0022	0.2693	0.4672	0.9361	0.0586	0.3723	0.0627	0.3968
102	45.82	0.02	0.0045	0.0037	0.0071	0.0609	0.7130	0.9317	0.0609	0.3713	0.0654	0.3985
103	46.04	0.01	0.0046	0.0	0.0185	0.0	4.0217	0.9460	0.0616	0.3768	0.0650	0.3974
104	46.20	0.02	0.0002	0.0006	0.0021	0.0199	1.0029	0.9454	0.0600	0.3742	0.0635	0.3956
105	46.35	0.00	0.0001	0.0047	0.0050	0.0651	0.8074	0.9450	0.0616	0.3740	0.0652	0.3957
106	46.55	0.02	0.0001	0.0055	0.0065	0.0672	0.8390	0.9494	0.0620	0.3774	0.0653	0.3975
107	46.72	0.03	0.0124	0.00325	0.0152	0.1057	0.4396	0.9103	0.0554	0.3572	0.0608	0.3924
108	46.90	0.02	0.0044	0.0016	0.0021	0.0325	0.8519	0.9536	0.0622	0.3773	0.0652	0.3955
109	47.07	0.02	0.0002	0.0037	0.0067	0.0663	0.7350	0.9433	0.0626	0.3735	0.0666	0.3959
110	47.26	0.02	0.0114	0.00121	0.0020	0.1088	0.6466	0.9366	0.0630	0.3703	0.0671	0.3944
111	47.44	0.03	0.0156	0.00156	0.00834	0.1005	0.5639	0.9371	0.0646	0.3684	0.0685	0.3931
112	47.63	0.02	0.0154	0.00176	0.00920	0.1141	0.5691	0.9312	0.0635	0.3655	0.0686	0.3925
113	47.77	0.01	0.0059	0.00046	0.00527	0.0773	0.8796	0.9415	0.0616	0.3686	0.0654	0.3915
114	47.95	0.03	0.0146	0.00146	0.00756	0.1047	0.5622	0.9417	0.0629	0.3681	0.0668	0.3909
115	48.15	0.01	0.0001	0.00346	0.01275	0.1306	0.4789	0.9490	0.0633	0.3717	0.0667	0.3916
116	48.32	0.02	0.0022	0.00442	0.01446	0.1462	0.4785	0.9794	0.0562	0.3634	0.0574	0.3914
117	48.49	0.01	0.0027	0.00572	0.01275	0.1414	0.4867	0.9655	0.0606	0.3771	0.0628	0.3905
118	48.64	0.01	0.0019	0.00353	0.01291	0.1449	0.4927	0.9790	0.0561	0.3612	0.0593	0.3893
119	48.83	0.00	0.0035	0.00470	0.01082	0.2201	0.5073	1.0322	0.0377	0.3575	0.0365	0.3891
120	49.00	0.01	0.00570	0.00420	0.01262	0.1633	0.4908	1.0108	0.0523	0.3510	0.0517	0.3886
121	49.16	0.00	0.0053	0.00340	0.00502	0.2006	0.5328	1.0178	0.0340	0.3678	0.0334	0.3810
122	49.35	0.03	0.0112	0.00334	0.01038	0.1560	0.4917	0.9674	0.0369	0.3659	0.0381	0.3783
123	49.54	0.05	0.0011	0.00300	0.01012	0.1494	0.5032	0.9575	0.0348	0.3560	0.0363	0.3718
124	49.75	0.03	0.0056	0.00411	0.00744	0.2507	0.4055	0.9744	0.0395	0.3631	0.0405	0.3727
125	49.93	0.04	0.0107	0.00376	0.00619	0.3111	0.5124	1.0030	0.0318	0.3738	0.0315	0.3706
126	50.09	0.01	0.01041	0.00355	0.00552	0.3405	0.5296	1.0158	0.0245	0.3738	0.0291	0.3676
127	50.26	0.00	0.0045	0.00356	0.00457	0.4212	0.5377	1.0102	0.0261	0.3713	0.0259	0.3675
128	50.41	0.06	0.0028	0.00325	0.00200	0.5600	0.7222	0.9976	0.0219	0.3622	0.0220	0.3631
129	50.58	0.05	0.00440	0.00321	0.00281	0.7292	0.6401	0.9976	0.0222	0.3623	0.0223	0.3632
130	50.76	0.04	0.00697	0.00336	0.00374	0.4815	0.5445	1.0076	0.0223	0.3684	0.0222	0.3658
131	50.95	0.07	0.0272	0.00277	0.00234	1.0138	0.3603	0.9831	0.0190	0.3561	0.0194	0.3623
132	51.09	0.04	0.0023	0.00273	0.00252	0.5650	0.6905	0.9742	0.0193	0.3508	0.0198	0.3601
133	51.29	0.05	0.0098	0.00323	0.00333	0.3633	0.5336	0.9729	0.0183	0.3495	0.0188	0.3593
134	51.48	0.04	0.00696	0.00315	0.00405	0.4520	0.5827	0.9724	0.0203	0.3517	0.0209	0.3617
135	51.65	0.00	0.00555	0.00264	0.00327	0.4751	0.5468	0.9588	0.0196	0.3337	0.0205	0.3555
136	51.81	0.04	0.00450	0.00242	0.00248	0.5392	0.5523	0.9307	0.0195	0.3346	0.0209	0.3576
137	51.99	0.04	0.00261	0.00213	0.00143	0.8164	0.5479	0.9503	0.0211	0.3379	0.0222	0.3556
138	52.14	0.05	0.00256	0.00259	0.00155	1.0121	0.6055	0.9767	0.0195	0.3497	0.0200	0.3581

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	FXIC-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		145	0.50	1.7	C.C. 0100F15	C.C.	0	-20	0	-20	UNKNOWN	
PLINT	ALPHA	BETA	CNF1	CHI	COL	ALPFI	YCPF1	CNF2	CHI2	CB2	XCPF2	YCPF2
139	52.31	0.06	-0.0177	-0.0205	-0.0059	1.1566	0.3333	0.9631	0.0232	0.3423	0.0241	0.3554
140	52.40	0.04	-0.0024	-0.0177	-0.0004	1.3174	0.1667	0.9701	0.0252	0.3472	0.0260	0.3576
141	52.63	0.05	-0.0105	-0.0161	-0.0022	1.5339	0.2095	0.9497	0.0233	0.3353	0.0246	0.3531
142	52.79	0.06	-0.0034	-0.0221	-0.0020	0.9448	0.1111	0.9805	0.0232	0.3456	0.0237	0.3566
143	52.98	0.06	-0.0131	-0.0173	-0.0020	1.3211	0.1527	0.9673	0.0232	0.3444	0.0240	0.3561
144	53.14	0.02	-0.0289	-0.0170	-0.0045	0.6102	0.1695	0.9496	0.0241	0.3359	0.0254	0.3538
145	53.30	0.00	-0.0150	-0.0132	-0.0010	0.0550	0.0520	0.9365	0.0241	0.3284	0.0258	0.3507
146	53.40	0.03	-0.0050	-0.0116	0.0222	-2.3204	2.4400	0.9408	0.0223	0.3320	0.0236	0.3507
147	53.63	0.03	-0.0372	-0.0161	-0.0044	0.4330	0.1163	0.9233	0.0219	0.3230	0.0238	0.3458
148	53.78	0.02	-0.0143	-0.0118	0.0030	0.8255	-0.2057	0.9408	0.0234	0.3258	0.0249	0.3506
149	53.93	0.01	-0.0222	-0.0126	0.0034	0.5760	-0.1532	0.9496	0.0241	0.3323	0.0254	0.3500
150	54.09	0.07	-0.0121	-0.0051	0.0001	0.7924	-0.5041	0.9301	0.0220	0.3206	0.0241	0.3482
151	54.24	0.07	-0.0112	-0.0077	0.0007	0.6078	-0.7768	0.9334	0.0227	0.3266	0.0244	0.3455
152	54.40	0.02	-0.0021	-0.0063	0.0057	0.5120	-0.2030	0.9310	0.0211	0.3265	0.0226	0.3497
153	54.50	0.04	-0.0108	-0.0002	0.0054	0.5503	-0.3059	0.9620	0.0185	0.3364	0.0197	0.3457
154	54.70	0.03	-0.0115	-0.0004	0.0000	0.3507	-0.8090	0.9487	0.0190	0.3295	0.0207	0.3473
155	54.85	0.03	-0.0088	-0.0052	0.0004	-0.5511	2.3182	0.9577	0.0181	0.3348	0.0185	0.3456
156	55.02	0.07	-0.0016	-0.0043	0.0156	2.0000	-9.9375	0.9021	0.0170	0.3353	0.0177	0.3485
157	55.17	0.05	-0.0163	-0.0015	0.0204	0.0921	1.2515	0.9768	0.0175	0.3387	0.0179	0.3468
158	55.32	0.03	-0.0002	0.00	0.0210	0.0	2.6341	0.9605	0.0177	0.3338	0.0185	0.3475
159	55.48	0.05	-0.0024	-0.0042	0.0221	1.7507	9.2063	0.9755	0.0161	0.3351	0.0165	0.3476
160	55.63	0.01	-0.0107	-0.0043	0.0115	-0.2090	-0.6800	0.9578	0.0160	0.3323	0.0174	0.3470
161	55.81	0.05	-0.0227	-0.0074	-0.0142	-0.3261	-0.6256	0.9340	0.0175	0.3228	0.0188	0.3456
162	55.90	-0.02	-0.0200	0.0004	0.0144	-0.3201	-0.7450	0.9008	0.0157	0.3331	0.0164	0.3467
163	56.09	0.01	-0.0175	-0.0066	0.0192	-0.3689	-1.1351	0.9592	0.0156	0.3334	0.0166	0.3478
164	56.20	0.04	-0.0203	-0.0074	0.0103	-0.6010	-0.5406	0.9502	0.0157	0.3337	0.0164	0.3450
165	56.42	-0.00	-0.0361	0.0048	0.0147	-0.1330	-0.4072	0.9623	0.0151	0.3348	0.0157	0.3479
166	56.57	0.02	-0.0377	0.0000	0.0154	-0.1751	-0.4085	0.9652	0.0150	0.3345	0.0162	0.3466
167	56.71	0.02	-0.0458	0.0054	0.0145	-0.1067	-0.2917	0.9654	0.0143	0.3344	0.0148	0.3466
168	56.80	-0.01	-0.0445	0.0052	0.0157	-0.1172	-0.3536	0.9696	0.0151	0.3363	0.0156	0.3469
169	57.03	0.00	-0.0501	-0.0061	0.0158	-0.1220	-0.3160	0.9771	0.0145	0.3393	0.0145	0.3473
170	57.18	-0.01	-0.0630	0.0043	0.0115	-0.0710	-0.1892	0.9609	0.0144	0.3315	0.0150	0.3450
171	57.31	-0.02	-0.0560	0.0090	0.0176	-0.1611	-0.3184	0.9637	0.0157	0.3329	0.0163	0.3455
172	57.40	-0.00	-0.0637	0.0000	0.0150	-0.1070	-0.2453	0.9578	0.0150	0.3324	0.0157	0.3471
173	57.61	-0.06	-0.0556	0.0042	0.0178	-0.0757	-0.3207	1.0133	0.0150	0.3352	0.0188	0.3488
174	57.76	-0.07	-0.0644	0.0045	0.0123	-0.0700	-0.1913	1.0130	0.0165	0.3313	0.0163	0.3465
175	57.91	-0.12	-0.0604	0.0023	0.0141	-0.0382	-0.2338	1.0232	0.0128	0.3343	0.0129	0.3463
176	58.05	-0.05	-0.0503	-0.0015	0.0004	0.0207	-0.2910	1.0110	0.0104	0.3318	0.0103	0.3478
177	58.13	-0.12	-0.0600	-0.0032	0.0146	0.0334	-0.2437	1.0012	0.0115	0.3397	0.0115	0.3453

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 145 0.90 1.7			0.0 0.10F15 C.C		0	-20	0	-20	UNKNOWN			
PCINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CF4	CB4	XCPF4	YCPF4
1	-5.74	0.01	-0.0133	5.5555	0.0178	5.5555	-1.3363	-0.9177	-0.0273	-0.3464	0.0298	0.3775
2	-5.75	-0.00	-0.0106	5.5555	0.0156	5.5555	-1.0491	-0.6761	-0.0265	-0.3492	0.0302	0.3745
3	-5.75	0.00	-0.0174	5.5555	0.0180	5.5555	-1.0345	-0.9067	-0.0267	-0.3417	0.0294	0.3760
4	-5.36	0.00	-0.0174	5.5555	0.0165	5.5555	-0.9713	-1.1125	-0.0455	-0.4451	0.0409	0.4001
5	-3.51	0.00	-0.0116	5.5555	0.0168	5.5555	-1.4237	-1.0593	-0.0509	-0.4422	0.0420	0.4175
6	-1.18	-0.00	-0.0091	5.5555	0.0176	5.5555	-1.4341	-0.9006	-0.0517	-0.4043	0.0538	0.4269
7	0.04	0.01	-0.0037	5.5555	0.0207	5.5555	-5.5946	-0.6551	-0.0503	-0.3638	0.0586	0.4255
8	1.03	0.00	-0.0036	5.5555	0.0217	5.5555	-5.7105	-0.7068	-0.0503	-0.3061	0.0709	0.4347
9	3.05	-0.01	-0.0002	5.5555	0.0242	5.5555	121.0000	-0.6024	-0.0441	-0.2622	0.0732	0.4353
10	5.46	0.00	-0.0004	5.5555	0.0224	5.5555	-2.3330	-0.4679	-0.0335	-0.2042	0.0758	0.4363
11	7.33	0.01	-0.0047	5.5555	0.0192	5.5555	-1.3381	-0.3484	-0.0264	-0.1448	0.0759	0.4155
12	9.11	0.00	-0.0004	5.5555	0.0235	5.5555	-2.5425	-0.2240	-0.0189	-0.0915	0.0627	0.3996
13	10.97	-0.00	0.0007	5.5555	0.0206	5.5555	2.3076	-0.1302	-0.0102	-0.0468	0.0783	0.3766
14	12.78	-0.00	0.0000	5.5555	0.0193	5.5555	3.2167	-0.0508	0.0031	-0.0204	-0.0612	0.4122
15	14.64	-0.00	0.0003	5.5555	0.0204	5.5555	2.7945	-0.0038	0.0195	0.0006	-5.2385	-0.1579
16	16.35	-0.00	0.0017	5.5555	0.0214	5.5555	1.0000	0.0021	0.0355	0.0244	0.5776	0.3935
17	18.46	-0.02	0.0072	5.5555	0.0148	5.5555	0.8805	0.1512	0.0518	0.0700	0.3425	0.4629
18	20.36	-0.01	0.0133	5.5555	0.0107	5.5555	0.8045	0.2360	0.0034	0.1146	0.2664	0.4817
19	22.25	-0.02	0.0181	5.5555	0.0093	5.5555	0.5776	0.3570	0.0751	0.1736	0.2104	0.4863
20	24.15	-0.03	0.0175	5.5555	0.0094	5.5555	0.5371	0.4478	0.0017	0.2207	0.1825	0.4927
21	26.06	-0.02	0.0255	5.5555	0.0120	5.5555	0.4013	0.4469	0.0247	0.2269	0.1888	0.5095
22	27.89	0.04	0.0363	5.5555	0.0012	5.5555	0.4223	0.4471	0.0884	0.2328	0.1578	0.5206
23	27.62	0.02	0.0503	5.5555	0.0207	5.5555	0.4123	0.4657	0.0682	0.2416	0.1855	0.5188
24	28.08	0.04	0.0371	5.5555	0.0233	5.5555	0.4000	0.4856	0.0884	0.2422	0.1560	0.5202
25	28.40	0.03	0.0437	5.5555	0.0175	5.5555	0.4014	0.4623	0.0894	0.2521	0.1855	0.5227
26	28.75	0.04	0.0515	5.5555	0.0203	5.5555	0.3919	0.4819	0.0901	0.2534	0.1871	0.5259
27	29.03	0.04	0.0516	5.5555	0.0214	5.5555	0.4139	0.4973	0.0905	0.2637	0.1821	0.5303
28	29.32	0.05	0.0546	5.5555	0.0216	5.5555	0.3903	0.5117	0.0912	0.2715	0.1783	0.5306
29	29.61	0.06	0.0547	5.5555	0.0222	5.5555	0.4086	0.5232	0.0916	0.2757	0.1755	0.5270
30	29.90	0.07	0.0618	5.5555	0.0238	5.5555	0.3870	0.5447	0.0924	0.2855	0.1696	0.5241
31	30.17	0.06	0.0616	5.5555	0.0233	5.5555	0.3785	0.5514	0.0915	0.2904	0.1660	0.5268
32	30.43	0.06	0.0562	5.5555	0.0201	5.5555	0.3503	0.5531	0.0835	0.3079	0.1493	0.5151
33	30.73	0.06	0.0617	5.5555	0.0217	5.5555	0.3525	0.5544	0.0893	0.3110	0.1503	0.5232
34	30.99	0.06	0.0616	5.5555	0.0211	5.5555	0.3531	0.5617	0.0854	0.3206	0.1374	0.5157
35	31.28	0.06	0.0576	5.5555	0.0186	5.5555	0.3235	0.6277	0.0860	0.3252	0.1371	0.5181
36	31.54	0.07	0.0617	5.5555	0.0206	5.5555	0.3344	0.6361	0.0745	0.3184	0.1178	0.5013
37	31.82	0.07	0.0685	5.5555	0.0236	5.5555	0.3480	0.6425	0.0808	0.3248	0.1258	0.5055
38	32.08	0.08	0.0690	5.5555	0.0228	5.5555	0.3378	0.6416	0.0809	0.3240	0.1261	0.5128
39	32.36	0.08	0.0711	5.5555	0.0234	5.5555	0.3296	0.6413	0.0751	0.3246	0.1171	0.5062
40	32.61	0.08	0.0644	5.5555	0.0202	5.5555	0.3142	0.6313	0.0799	0.3264	0.1266	0.5176
41	32.86	0.08	0.0711	5.5555	0.0245	5.5555	0.3451	0.6262	0.0832	0.3295	0.1325	0.5245
42	33.11	0.09	0.0752	5.5555	0.0234	5.5555	0.3382	0.6197	0.0841	0.3297	0.1422	0.5321
43	33.39	0.06	0.0776	5.5555	0.0283	5.5555	0.3042	0.6231	0.0876	0.3333	0.1407	0.5356
44	33.63	0.07	0.0763	5.5555	0.0280	5.5555	0.3482	0.6229	0.0879	0.3310	0.1412	0.5314
45	33.87	0.07	0.0776	5.5555	0.0283	5.5555	0.3642	0.6412	0.0818	0.3320	0.1276	0.5178
46	34.14	0.08	0.0616	5.5555	0.0205	5.5555	0.3333	0.6383	0.0815	0.3317	0.1277	0.5157

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-E			PHI	CENF	L	DELT	DELT2	DELT3	DELT4	TRANSITION		
7 145 0.50 1.0			0.0	0.0	0.0	0	-20	0	-20	UNKNOWN		
FCIAT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
47	34.36	0.06	0.0042	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
48	34.61	0.06	0.0042	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
49	34.87	0.05	0.00574	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
50	35.12	0.02	0.00521	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
51	35.34	0.03	0.00532	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
52	35.59	0.03	0.00557	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
53	35.82	0.02	0.00557	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
54	36.04	0.01	0.00516	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
55	36.29	0.01	0.00556	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
56	36.53	0.00	0.00525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
57	36.75	0.02	0.00487	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
58	37.01	0.03	0.00514	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
59	37.26	0.02	0.00480	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
60	37.48	0.05	0.00514	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
61	37.74	0.05	0.00566	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
62	37.96	0.01	0.00525	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
63	38.20	0.04	0.00466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
64	38.48	0.02	0.00443	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
65	38.71	0.04	0.00472	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
66	38.93	0.03	0.00444	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
67	39.14	0.05	0.00350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
68	39.36	0.03	0.00456	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
69	39.56	0.01	0.00430	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
70	39.76	0.02	0.00444	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
71	40.00	0.03	0.00443	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
72	40.19	0.03	0.00471	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
73	40.40	0.02	0.00444	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
74	40.60	0.04	0.00430	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
75	40.81	0.02	0.00382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
76	41.02	0.03	0.00402	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
77	41.23	0.01	0.00345	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
78	41.43	0.02	0.00431	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
79	41.61	0.05	0.00376	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
80	41.84	0.00	0.00418	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
81	42.05	0.00	0.00282	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
82	42.24	0.03	0.00403	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
83	42.41	0.02	0.00445	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
84	42.55	0.01	0.00403	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
85	42.78	0.03	0.00363	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
86	42.95	0.02	0.00386	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
87	43.12	0.01	0.00350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
88	43.32	0.01	0.00346	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
89	43.51	0.01	0.00402	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
90	43.66	0.02	0.00346	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
91	43.85	0.01	0.00346	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
92	44.03	0.02	0.00385	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

FACE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH R110-6				PHI	CNPF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 145 0.50 1.7				C.C	BLIND	C.C	0	-20	0	-20	UNKNOWN	
PLINT	ALPHA	BETA	CNF3	CH3	CH3	ACPF3	YCPF3	CNF4	CH4	CB4	ACPF4	YCPF4
93	44.20	0.00	0.0227	5.5555	0.0195	5.9999	0.7453	0.6015	0.0596	0.4293	0.0692	0.4584
94	44.41	0.00	0.0421	5.5555	0.0261	5.9999	0.6347	0.6003	0.0550	0.4312	0.0632	0.4696
95	44.59	0.01	0.0350	5.5555	0.0241	5.9555	0.6179	0.6732	0.0576	0.4327	0.0660	0.4858
96	44.78	0.01	0.0308	5.5555	0.0202	5.5555	0.6058	0.6718	0.0602	0.4213	0.0691	0.4902
97	44.96	0.01	0.0362	5.5555	0.0236	5.5555	0.6057	0.6455	0.0561	0.4375	0.0626	0.4886
98	45.15	0.01	0.0417	5.5555	0.0204	5.9999	0.6346	0.6011	0.0601	0.4237	0.0698	0.4521
99	45.33	0.02	0.0172	5.5555	0.0170	5.5555	0.5884	0.6921	0.0565	0.4345	0.0633	0.4871
100	45.50	0.02	0.0345	5.5555	0.0232	5.9999	0.6040	0.6032	0.0541	0.4337	0.0669	0.4611
101	45.67	-0.01	0.0363	5.5555	0.0222	5.9555	0.6116	0.6057	0.0525	0.4335	0.0653	0.4645
102	45.85	-0.02	0.0321	5.5555	0.0230	5.9999	0.7165	0.6438	0.0562	0.4346	0.0625	0.4863
103	46.04	-0.01	0.0455	5.5555	0.0282	5.5555	0.5663	0.6460	0.0586	0.4356	0.0658	0.4873
104	46.20	-0.02	0.0307	5.5555	0.0225	5.5555	0.7459	0.6471	0.0586	0.4358	0.0655	0.4858
105	46.35	-0.00	0.0403	5.5555	0.0253	5.9999	0.6278	0.6046	0.0590	0.4403	0.0652	0.4868
106	46.55	0.02	0.0313	5.5555	0.0235	5.9555	0.6504	0.6050	0.0595	0.4363	0.0665	0.4875
107	46.72	-0.03	0.0145	5.5555	0.0146	5.9999	0.6069	0.6570	0.0357	0.4052	0.0463	0.4775
108	46.90	-0.02	0.0403	5.5555	0.0247	5.9555	0.6125	0.6113	0.0607	0.4416	0.0666	0.4846
109	47.07	-0.02	0.0454	5.5555	0.0217	5.9555	0.7301	0.6133	0.0595	0.4355	0.0651	0.4773
110	47.26	0.02	0.0457	5.5555	0.0272	5.9555	0.5965	0.6836	0.0547	0.4263	0.0619	0.4848
111	47.44	-0.03	0.0336	5.5555	0.0230	5.9999	0.6806	0.6031	0.0524	0.4351	0.0580	0.4818
112	47.60	-0.02	0.0247	5.5555	0.0163	5.5555	0.7161	0.6006	0.0521	0.4256	0.0585	0.4778
113	47.77	-0.01	0.0348	5.5555	0.0221	5.9555	0.6351	0.6110	0.0576	0.4337	0.0634	0.4761
114	47.95	-0.03	0.0281	5.5555	0.0164	5.9555	0.6726	0.6049	0.0543	0.4286	0.0600	0.4737
115	48.13	-0.01	0.0215	5.5555	0.0167	5.5555	0.7840	0.6855	0.0485	0.4125	0.0525	0.4663
116	48.32	-0.02	0.0335	5.5555	0.0203	5.9555	0.6060	0.6045	0.0375	0.3934	0.0441	0.4636
117	48.49	-0.01	0.0321	5.5555	0.0208	5.9999	0.6480	0.6710	0.0419	0.4060	0.0481	0.4661
118	48.64	-0.01	0.0307	5.5555	0.0201	5.9555	0.6547	0.6426	0.0464	0.3933	0.0550	0.4667
119	48.83	0.00	0.0253	5.5555	0.0154	5.9999	0.6621	0.6165	0.0374	0.3814	0.0458	0.4671
120	49.00	-0.01	0.0307	5.5555	0.0212	5.9555	0.6006	0.6627	0.0334	0.3592	0.0456	0.4627
121	49.16	0.00	0.0321	5.5555	0.0157	5.5555	0.6137	0.6514	0.0375	0.3947	0.0440	0.4635
122	49.35	0.03	0.0445	5.5555	0.0234	5.9555	0.5747	0.6190	0.0319	0.3807	0.0389	0.4648
123	49.54	0.05	0.0538	5.5555	0.0300	5.9555	0.5587	0.6447	0.0318	0.3853	0.0376	0.4608
124	49.75	0.03	0.0387	5.5555	0.0235	5.9555	0.6176	0.7605	0.0381	0.3557	0.0500	0.4677
125	49.90	0.04	0.0425	5.5555	0.0242	5.5555	0.5654	0.7635	0.0362	0.3647	0.0487	0.4656
126	50.09	0.01	0.0430	5.5555	0.0237	5.9555	0.5524	0.7437	0.0342	0.3680	0.0493	0.4636
127	50.26	-0.00	0.0457	5.5555	0.0265	5.5555	0.5623	0.7851	0.0378	0.3677	0.0461	0.4683
128	50.41	0.00	0.0382	5.5555	0.0154	5.9555	0.5155	0.6040	0.0347	0.3739	0.0493	0.4650
129	50.58	0.03	0.0470	5.5555	0.0246	5.9999	0.5245	0.7938	0.0368	0.3741	0.0488	0.4712
130	50.76	0.04	0.0443	5.5555	0.0243	5.9999	0.5446	0.7471	0.0380	0.3715	0.0476	0.4665
131	50.95	0.07	0.0417	5.5555	0.0215	5.9555	0.5168	0.7643	0.0380	0.3678	0.0458	0.4685
132	51.09	0.04	0.0523	5.5555	0.0266	5.9555	0.5096	0.7894	0.0384	0.3705	0.0486	0.4698
133	51.24	0.05	0.0443	5.5555	0.0218	5.5555	0.4687	0.7822	0.0375	0.3680	0.0479	0.4704
134	51.48	0.02	0.0385	5.9555	0.0202	5.9555	0.5145	0.7709	0.0378	0.3630	0.0450	0.4769
135	51.65	-0.00	0.0584	5.5555	0.0265	5.9555	0.4778	0.7648	0.0382	0.3587	0.0459	0.4650
136	51.81	0.04	0.0524	5.5555	0.0260	5.9555	0.4471	0.7654	0.0370	0.3586	0.0483	0.4685
137	51.95	0.04	0.0483	5.5555	0.0230	5.9555	0.4772	0.7609	0.0371	0.3555	0.0487	0.4672
138	52.14	0.05	0.0445	5.5555	0.0222	5.5555	0.5023	0.7418	0.0349	0.3497	0.0470	0.4715

PAGE 3 OF 3
SHEET 6 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH HXIC-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 145 0.50 1.7				C.C	010F15	C.C	U	-20	0	-20	UNKNOWN	
PLINT	ALPHA	BETA	CNF2	Cn3	CB3	XCPF3	YCPF3	CNF4	Cn4	CB4	XCPF4	YCPF4
139	52.31	0.06	0.0467	5.5555	0.0237	5.5555	0.4770	0.7433	0.0349	0.3481	0.0469	0.4683
140	52.40	0.04	0.0577	5.5555	0.0286	5.5555	0.4465	0.7414	0.0327	0.3476	0.0440	0.4685
141	52.63	0.05	0.0577	5.5555	0.0261	5.5555	0.4865	0.7393	0.0334	0.3475	0.0451	0.4701
142	52.74	0.08	0.0577	5.5555	0.0286	5.5555	0.4465	0.7409	0.0334	0.3476	0.0450	0.4692
143	52.96	0.06	0.0551	5.5555	0.0257	5.5555	0.4673	0.7397	0.0326	0.3463	0.0440	0.4682
144	53.14	0.04	0.0537	5.5555	0.0266	5.5555	0.4465	0.7520	0.0324	0.3494	0.0430	0.4647
145	53.30	0.06	0.0537	5.5555	0.0266	5.5555	0.4465	0.7494	0.0315	0.3491	0.0420	0.4655
146	53.46	0.03	0.0443	5.5555	0.0216	5.5555	0.4887	0.7512	0.0338	0.3518	0.0445	0.4683
147	53.63	0.03	0.0537	5.5555	0.0266	5.5555	0.4465	0.7467	0.0330	0.3533	0.0430	0.4650
148	53.78	0.04	0.0577	5.5555	0.0286	5.5555	0.4465	0.7509	0.0315	0.3535	0.0416	0.4671
149	53.93	0.01	0.0511	5.5555	0.0232	5.5555	0.4667	0.7645	0.0315	0.3541	0.0411	0.4632
150	54.05	0.07	0.0474	5.5555	0.0234	5.5555	0.4465	0.7776	0.0324	0.3591	0.0416	0.4618
151	54.24	0.07	0.0525	5.5555	0.0250	5.5555	0.4771	0.7768	0.0317	0.3592	0.0409	0.4637
152	54.40	0.04	0.0551	5.5555	0.0266	5.5555	0.4762	0.7763	0.0306	0.3593	0.0354	0.4617
153	54.56	0.04	0.0467	5.5555	0.0242	5.5555	0.4679	0.7920	0.0310	0.3684	0.0351	0.4651
154	54.70	0.03	0.0443	5.5555	0.0233	5.5555	0.5271	0.7804	0.0297	0.3632	0.0378	0.4619
155	54.86	0.03	0.0578	5.5555	0.0266	5.5555	0.4757	0.7943	0.0271	0.3665	0.0367	0.4615
156	55.02	0.07	0.0416	5.5555	0.0265	5.5555	0.5036	0.8133	0.0314	0.3757	0.0385	0.4615
157	55.17	0.05	0.0551	5.5555	0.0266	5.5555	0.4673	0.8102	0.0278	0.3754	0.0344	0.4633
158	55.32	0.05	0.0444	5.5555	0.0201	5.5555	0.4537	0.7976	0.0284	0.3718	0.0357	0.4661
159	55.48	0.05	0.0417	5.5555	0.0194	5.5555	0.4760	0.8503	0.0216	0.3964	0.0328	0.4663
160	55.63	0.01	0.0536	5.5555	0.0236	5.5555	0.4767	0.8641	0.0272	0.4008	0.0315	0.4638
161	55.81	0.05	0.0443	5.5555	0.0190	5.5555	0.4279	0.8485	0.0240	0.3580	0.0283	0.4688
162	55.96	0.02	0.0444	5.5555	0.0201	5.5555	0.4537	0.8567	0.0238	0.4014	0.0278	0.4686
163	56.09	0.01	0.0457	5.5555	0.0234	5.5555	0.5132	0.8567	0.0232	0.4001	0.0271	0.4676
164	56.28	0.04	0.0431	5.5555	0.0216	5.5555	0.5023	0.8608	0.0238	0.4113	0.0274	0.4734
165	56.42	0.00	0.0458	5.5555	0.0218	5.5555	0.4770	0.8633	0.0230	0.4051	0.0267	0.4694
166	56.57	0.02	0.0458	5.5555	0.0216	5.5555	0.4776	0.8527	0.0226	0.4013	0.0258	0.4706
167	56.71	0.02	0.0431	5.5555	0.0205	5.5555	0.4767	0.8565	0.0206	0.4008	0.0241	0.4686
168	56.86	0.01	0.0436	5.5555	0.0180	5.5555	0.4764	0.8697	0.0212	0.4063	0.0244	0.4672
169	57.03	0.00	0.0350	5.5555	0.0157	5.5555	0.5031	0.8656	0.0199	0.4064	0.0230	0.4694
170	57.18	0.01	0.0443	5.5555	0.0223	5.5555	0.5023	0.8628	0.0197	0.4033	0.0229	0.4674
171	57.31	0.02	0.0445	5.5555	0.0207	5.5555	0.4662	0.8415	0.0193	0.3954	0.0230	0.4698
172	57.46	0.00	0.0444	5.5555	0.0233	5.5555	0.5200	0.8793	0.0173	0.4081	0.0157	0.4641
173	57.61	0.06	0.0418	5.5555	0.0155	5.5555	0.4772	0.8924	0.0217	0.4137	0.0244	0.4638
174	57.76	0.07	0.0418	5.5555	0.0216	5.5555	0.5036	0.8815	0.0151	0.4097	0.0217	0.4648
175	57.91	0.12	0.0322	5.5555	0.0175	5.5555	0.5435	0.8892	0.0190	0.4131	0.0214	0.4644
176	58.05	0.04	0.0364	5.5555	0.0174	5.5555	0.4780	0.8512	0.0178	0.3998	0.0205	0.4657
177	58.13	0.12	0.0310	5.5555	0.0155	5.5555	0.5129	0.8635	0.0178	0.3967	0.0211	0.4675

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH X10-E			PHI		CONF		C		DEL1	DEL2	DEL3	DEL4	TRANSITION	
1			146 1.00 1.1		C.C		BINOF15 C.C		0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CM	CLM	CV	CLN	CLL	CA	CAB	CAF	ACP			
1	-5.83	0.04	-2.1523	8.1452	-0.0318	-0.0452	0.0025	0.4840	0.2021	0.7219	-3.7052			
2	-5.84	0.01	-2.1552	8.1318	-0.0335	-0.0421	0.0024	0.4857	0.2028	0.7229	-3.6975			
3	-5.84	0.02	-2.1600	8.1065	-0.0335	-0.0421	0.0024	0.4767	0.2574	0.7173	-3.7060			
4	-5.85	0.02	-2.1471	8.2152	-0.0285	-0.0493	0.0010	0.4708	0.2601	0.7167	-3.5018			
5	-4.96	0.01	-1.9546	7.6785	-0.0186	-0.0535	0.0028	0.4455	0.2420	0.7075	-3.6692			
6	-3.13	0.02	-1.1601	7.2508	-0.0106	-0.0546	0.0041	0.4083	0.2212	0.6871	-4.1041			
7	-1.39	0.02	-1.4712	6.4536	-0.0420	-0.0765	0.0095	0.6479	0.2065	0.6414	-4.4135			
8	0.47	0.02	-1.1606	5.6754	-0.0602	-0.0518	0.0038	0.7768	0.1913	0.5875	-4.6566			
9	2.29	0.02	-3.8645	4.5528	-0.0407	-0.0563	0.0043	0.7165	0.1765	0.5396	-5.6663			
10	4.09	0.02	-0.5575	4.0908	-0.0354	-0.1102	0.0106	0.6427	0.1508	0.4860	-7.6053			
11	5.63	0.03	-0.2671	3.4414	-0.0355	-0.1301	0.0052	0.5980	0.1606	0.4374	-12.8824			
12	7.82	0.02	-0.0355	2.7637	-0.0041	-0.0838	0.0114	0.5467	0.1685	0.3782	69.2250			
13	9.61	0.02	-0.3450	2.1415	-0.0163	-0.0566	0.0179	0.5038	0.1745	0.3293	6.1376			
14	11.52	0.02	-0.6701	1.5944	-0.0313	-0.0511	0.0127	0.4657	0.1862	0.2855	2.2988			
15	13.37	0.02	-0.5864	1.0947	-0.0170	-0.0237	0.0136	0.4204	0.1793	0.2411	1.1112			
16	15.30	0.02	-1.2104	0.7756	-0.0037	-0.1336	0.0141	0.3841	0.1813	0.2028	0.5919			
17	17.27	0.02	-1.8253	0.4047	-0.0752	-0.2505	0.0204	0.3537	0.1526	0.1611	0.2484			
18	19.18	0.02	-2.0373	-0.0807	-0.0564	-0.3834	0.0213	0.3101	0.2076	0.1025	-0.0394			
19	21.12	0.02	-2.4528	-0.4586	-0.1135	-0.5041	0.0163	0.2604	0.2164	0.0440	-0.1511			
20	23.11	0.00	-3.0900	-0.7603	-0.3000	-0.6424	-0.0121	0.2011	0.2176	-0.0167	-0.2460			
21	25.06	0.01	-3.7801	-0.5602	-0.2132	-0.7338	-0.0143	0.1314	0.2117	-0.0805	-0.2538			
22	27.08	0.07	-4.4354	-0.5322	-0.7230	-1.7126	0.0516	0.0762	0.2151	-0.1309	-0.2090			
23	28.04	0.06	-4.6580	-1.0103	-0.6205	-1.4133	0.0401	0.0416	0.2121	-0.1705	-0.2165			
24	28.15	0.05	-4.7400	-0.5347	-0.6703	-1.0182	0.0406	0.0361	0.2121	-0.1760	-0.1972			
25	28.53	0.07	-4.8151	-1.0074	-0.7306	-1.6184	0.0587	0.0271	0.2113	-0.1842	-0.2091			
26	28.85	0.01	-4.9001	-0.5338	-0.8251	-1.3403	0.0530	0.0225	0.2110	-0.1885	-0.1503			
27	29.13	0.06	-5.0515	-0.6234	-0.6251	-1.6123	0.0559	0.0152	0.2108	-0.1554	-0.1709			
28	29.44	0.09	-5.1806	-0.8821	-0.6615	-1.8631	0.0607	0.0045	0.2102	-0.2057	-0.1701			
29	29.74	0.08	-5.2273	-0.5240	-0.7552	-1.4267	0.0428	-0.0107	0.2098	-0.2199	-0.1768			
30	30.01	0.09	-5.2742	-0.5500	-0.6266	-1.6650	0.0576	-0.0030	0.2102	-0.2132	-0.1877			
31	30.30	0.08	-5.3270	-0.8651	-0.6228	-1.7237	0.0384	-0.0181	0.2114	-0.2245	-0.1590			
32	30.56	0.05	-5.3801	-0.6613	-0.5204	-1.7557	0.0203	-0.0296	0.2090	-0.2386	-0.1556			
33	30.86	0.09	-5.7002	-0.6473	-0.5345	-1.9317	0.0572	-0.0441	0.2117	-0.2556	-0.1486			
34	31.11	0.05	-5.7454	-0.6603	-0.6317	-1.6707	0.0570	-0.0536	0.2090	-0.2626	-0.1508			
35	31.40	0.07	-5.8643	-0.6712	-0.7624	-1.5267	0.0393	-0.0601	0.2067	-0.2728	-0.1455			
36	31.67	0.07	-5.9452	-0.8880	-0.6807	-1.2852	0.0396	-0.0609	0.2064	-0.2733	-0.1500			
37	31.94	0.07	-6.0347	-0.5183	-0.6142	-1.1627	0.0457	-0.0735	0.2052	-0.2767	-0.1518			
38	32.21	0.07	-6.1143	-0.8214	-0.6406	-1.3153	0.0346	-0.0905	0.2029	-0.2835	-0.1343			
39	32.47	0.06	-6.2244	-0.5564	-0.5652	-1.2373	0.0290	-0.0941	0.2044	-0.2966	-0.1536			
40	32.73	0.06	-6.3477	-0.5511	-0.5714	-1.2448	0.0411	-0.1038	0.2029	-0.3067	-0.1546			
41	33.00	0.05	-6.4554	-0.5905	-0.5853	-1.7550	0.0175	-0.1143	0.2033	-0.3176	-0.1534			
42	33.25	0.06	-6.6017	-1.0477	-0.4702	-1.5047	0.0299	-0.1206	0.2044	-0.3316	-0.1587			
43	33.49	0.06	-6.6051	-1.1055	-0.5227	-1.2760	0.0420	-0.1166	0.2051	-0.3237	-0.1679			
44	33.75	0.05	-6.7310	-1.0236	-0.3732	-1.5286	0.0415	-0.1308	0.2025	-0.3413	-0.1519			
45	34.01	0.06	-6.9045	-0.5475	-0.6397	-1.5231	0.0670	-0.1310	0.2070	-0.3380	-0.1372			
46	34.26	0.06	-6.9734	-1.0371	-0.5174	-1.9603	0.0665	-0.1414	0.2033	-0.3447	-0.1487			

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: KX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 146 1.00 1.7				0.0	0.150F15	C.C	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	LN	LLN	LY	LLN	CLL	CA	CAB	CAF	XCP
47	34.50	0.05	7.3802	-0.9061	0.4153	-0.8025	0.0551	-0.1498	0.2052	-0.3550	-0.1280
48	34.75	0.07	7.1315	-0.8513	0.4155	-1.1450	0.0908	-0.1404	0.2081	-0.3485	-0.1250
49	35.01	0.05	7.2726	-0.8345	0.4016	-0.6575	0.0731	-0.1544	0.2034	-0.3578	-0.1148
50	35.24	0.05	7.3240	-0.7903	0.4506	-0.8255	0.0911	-0.1501	0.2048	-0.3549	-0.1079
51	35.47	0.04	7.4388	-0.7714	0.3825	-0.5687	0.0853	-0.1598	0.1974	-0.3572	-0.1037
52	35.73	0.05	7.5126	-0.7121	0.5773	-0.9652	0.0700	-0.1591	0.2034	-0.3625	-0.1028
53	35.97	0.05	7.6160	-0.7021	0.4534	-0.6004	0.0744	-0.1761	0.1967	-0.3728	-0.0922
54	36.18	0.04	7.6600	-0.6056	0.4505	-0.6513	0.0600	-0.1726	0.1945	-0.3671	-0.0874
55	36.45	0.04	7.6451	-0.7285	0.3570	-0.7029	0.0871	-0.1660	0.1949	-0.3605	-0.0926
56	36.69	0.04	7.6157	-0.7300	0.4568	-0.7274	0.0755	-0.1657	0.1925	-0.3782	-0.0928
57	36.89	0.01	7.6455	-0.7140	0.1576	-0.7022	0.0458	-0.1687	0.1824	-0.3711	-0.0904
58	37.17	0.04	7.6061	-0.7355	0.4197	-0.5502	0.0703	-0.2102	0.1847	-0.3945	-0.0913
59	37.39	0.03	7.6188	-0.6562	0.3257	-0.5865	0.0475	-0.2060	0.1828	-0.3908	-0.0851
60	37.61	0.06	7.6255	-0.6000	0.0024	-0.9451	0.1004	-0.2038	0.1840	-0.3878	-0.0981
61	37.87	0.03	7.6216	-0.8044	0.3330	-0.5244	0.0540	-0.2264	0.1826	-0.4050	-0.0955
62	38.10	0.04	7.6228	-0.8002	0.5037	-0.4131	0.1187	-0.2121	0.1918	-0.4035	-0.0974
63	38.32	0.05	7.6223	-0.8325	0.6053	-1.0693	0.1135	-0.2133	0.1855	-0.3988	-0.0971
64	38.50	0.05	7.6355	-0.8401	0.6257	-1.1262	0.0903	-0.2326	0.1885	-0.4211	-0.1042
65	38.79	0.05	7.6556	-0.8568	0.5855	-0.9534	0.1138	-0.2384	0.1833	-0.4197	-0.1102
66	38.99	0.04	7.6575	-0.9001	0.4761	-0.8722	0.0799	-0.2304	0.1773	-0.4337	-0.1109
67	39.21	0.06	7.6254	-0.9026	0.7516	-1.1274	0.1210	-0.2390	0.1856	-0.4246	-0.1023
68	39.44	0.03	7.6541	-0.9321	0.5147	-0.9342	0.0722	-0.2570	0.1773	-0.4343	-0.1036
69	39.63	0.02	7.6576	-0.9027	0.3477	-0.8574	0.0574	-0.2717	0.1755	-0.4472	-0.1065
70	39.86	0.05	7.6415	-0.9144	0.6555	-0.9008	0.1395	-0.2519	0.1842	-0.4361	-0.1000
71	40.07	0.04	7.6485	-0.9318	0.6590	-1.0349	0.1279	-0.2569	0.1853	-0.4422	-0.1018
72	40.26	0.03	7.6635	-1.0103	0.4556	-0.7404	0.1046	-0.2803	0.1782	-0.4585	-0.1099
73	40.46	0.03	7.6350	-1.0146	0.4073	-0.7224	0.0816	-0.2851	0.1726	-0.4577	-0.1087
74	40.60	0.03	7.6435	-0.9475	0.4512	-0.8035	0.0707	-0.2931	0.1733	-0.4663	-0.1003
75	40.89	0.03	7.6515	-1.0007	0.4528	-0.9244	0.0826	-0.3048	0.1784	-0.4832	-0.1054
76	41.09	0.05	7.6700	-0.9350	0.4011	-0.8440	0.1034	-0.2858	0.1766	-0.4624	-0.0977
77	41.30	0.03	7.6134	-0.8655	0.4363	-0.8303	0.0772	-0.2939	0.1713	-0.4651	-0.1005
78	41.52	0.02	7.6004	-1.0058	0.3640	-0.8499	0.0598	-0.3201	0.1786	-0.4987	-0.1099
79	41.71	0.02	7.6531	-1.1145	0.4075	-0.9718	0.0948	-0.3323	0.1704	-0.5027	-0.1137
80	41.93	0.02	7.6504	-1.0523	0.4174	-0.8006	0.0553	-0.3209	0.1708	-0.4977	-0.1063
81	42.12	0.02	7.6107	-1.0597	0.3551	-0.4314	0.1164	-0.3021	0.1771	-0.4791	-0.1069
82	42.29	0.02	7.6604	-1.1300	0.3730	-0.8807	0.0725	-0.3275	0.1721	-0.4956	-0.1138
83	42.49	0.01	7.6350	-0.9248	0.2817	-0.2405	0.1246	-0.2949	0.1804	-0.4752	-0.0921
84	42.68	0.02	7.6150	-1.0635	0.3401	-0.5311	0.0738	-0.3308	0.1728	-0.5036	-0.1048
85	42.85	0.01	7.6114	-1.0065	0.3273	-0.4850	0.0673	-0.3279	0.1718	-0.4957	-0.0991
86	43.02	0.01	7.6200	-1.1302	0.2004	-0.3266	0.0730	-0.3293	0.1786	-0.5079	-0.1110
87	43.21	0.01	7.6306	-0.9700	0.2258	-0.1534	0.1164	-0.3059	0.1896	-0.4955	-0.0939
88	43.40	0.02	7.6158	-1.0556	0.3785	-0.0598	0.0955	-0.3172	0.1810	-0.4982	-0.1017
89	43.57	0.02	7.6402	-0.9824	0.3778	-0.0688	0.0983	-0.3173	0.1784	-0.4957	-0.0944
90	43.74	0.01	7.6225	-1.0003	0.3724	-0.7200	0.0574	-0.3435	0.1708	-0.5143	-0.1027
91	43.92	0.01	7.6571	-1.0840	0.3890	-0.5230	0.0090	-0.3337	0.1762	-0.5099	-0.1027
92	44.10	0.02	7.6145	-0.9675	0.3360	-0.0755	0.0903	-0.3303	0.1782	-0.5165	-0.0920

PAGE 1 OF 3
SHEET 3 OF 4

MARIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RX10-6											
PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
7 146 1.00 1.7 0.0 0.0015 0.0 0 -20 0 -20 UNKNOWN											
PCINT	ALPHA	BETA	CN	CLM	CLY	CLL	CLL	CLL	CLB	CAF	XCP
93	44.30	0.00	10.7430	-1.0557	0.3949	-0.7621	0.0525	-0.3345	0.1615	-0.5210	-0.0983
94	44.49	0.00	10.7740	-1.1073	0.4208	-0.9290	0.0470	-0.3385	0.1785	-0.5170	-0.1028
95	44.68	-0.01	10.9190	-1.1570	0.2470	-0.5034	0.0761	-0.3549	0.1761	-0.5310	-0.1096
96	44.87	-0.03	10.9605	-1.1152	0.3304	-0.8049	0.0766	-0.3588	0.1761	-0.5327	-0.1017
97	45.02	0.01	10.9092	-1.0351	0.4122	-0.7061	0.0763	-0.3475	0.1780	-0.5255	-0.0971
98	45.22	0.00	11.0003	-1.0515	0.3921	-0.6324	0.0584	-0.3400	0.1792	-0.5192	-0.0992
99	45.41	-0.01	11.1045	-0.9638	0.2270	-0.1449	0.0883	-0.3472	0.1806	-0.5260	-0.0863
100	45.57	-0.00	11.2000	-1.0522	0.2422	-0.6859	0.0322	-0.3441	0.1809	-0.5250	-0.0939
101	45.76	0.00	11.2717	-0.5575	0.2717	0.0000	0.0660	-0.3405	0.1825	-0.5230	-0.0649
102	45.93	0.01	11.3001	-1.0800	0.3551	-0.6103	0.0761	-0.3618	0.1800	-0.5418	-0.0956
103	46.12	-0.01	11.3066	-1.0504	0.4048	-0.6503	0.0325	-0.3396	0.1869	-0.5265	-0.0922
104	46.32	-0.01	11.4212	-0.8177	0.0514	0.3687	0.0076	-0.3340	0.1511	-0.5251	-0.0716
105	46.48	0.01	11.4405	-0.7065	0.2480	0.5349	0.0668	-0.3221	0.1926	-0.5147	-0.0818
106	46.68	-0.01	11.4732	-0.5013	0.1796	0.6007	0.0668	-0.2977	0.1996	-0.4973	-0.0437
107	46.85	-0.01	11.3047	-0.2770	0.2064	0.6989	0.0669	-0.3048	0.2297	-0.5345	-0.0246
108	47.02	-0.02	11.4030	-0.3005	0.0035	0.6004	0.0508	-0.2439	0.2315	-0.5254	-0.0331
109	47.19	-0.01	11.5061	-0.3573	0.1701	0.5625	0.0628	-0.2936	0.2323	-0.5261	-0.0310
110	47.39	-0.00	11.6795	-0.3862	0.2530	0.6552	0.0515	-0.2911	0.2704	-0.5615	-0.0504
111	47.55	0.01	11.6200	-1.0673	0.3812	0.7623	0.0571	-0.2515	0.2638	-0.5409	-0.0518
112	47.72	0.01	11.6251	-1.7070	0.3405	1.4474	-0.0040	-0.1116	0.3370	-0.4485	-0.1511
113	47.89	0.03	11.6818	-1.8567	0.4756	1.4447	-0.0149	-0.0984	0.3479	-0.4462	-0.1564
114	48.07	0.03	11.6932	-1.5207	0.5092	1.3718	-0.0144	-0.1070	0.3750	-0.4820	-0.1605
115	48.26	0.03	12.2562	-2.3444	0.5137	1.2212	-0.0132	-0.0969	0.4031	-0.5000	-0.2078
116	48.46	0.03	12.2667	-2.4901	0.5581	1.1276	-0.0126	-0.0714	0.3970	-0.4884	-0.2035
117	48.59	0.03	12.3000	-2.6006	0.5383	1.2289	-0.0374	-0.0868	0.4031	-0.4859	-0.2282
118	48.78	0.02	12.6171	-3.2940	0.3425	1.7160	-0.0258	-0.1054	0.3983	-0.5037	-0.2611
119	48.98	0.04	12.8170	-3.2452	0.5095	1.8691	-0.0260	-0.1409	0.3890	-0.5259	-0.2535
120	49.14	0.04	12.8002	-3.1866	0.6168	1.7707	-0.0250	-0.1457	0.3774	-0.5211	-0.2486
121	49.31	0.02	12.8560	-3.1705	0.3570	2.0603	-0.0263	-0.1368	0.3562	-0.5210	-0.2466
122	49.49	0.03	12.9235	-3.1024	0.4701	1.6735	-0.0305	-0.1334	0.3713	-0.5047	-0.2449
123	49.65	0.01	13.0000	-3.0790	0.2761	1.6110	-0.0252	-0.1753	0.3596	-0.5349	-0.2352
124	49.86	0.02	13.1300	-3.2200	0.3037	1.4448	-0.0345	-0.1766	0.3615	-0.5381	-0.2457
125	50.02	0.01	13.2345	-3.2353	0.3670	1.6105	-0.0233	-0.1967	0.3648	-0.5515	-0.2445
126	50.21	0.03	13.3166	-3.1313	0.7076	1.3590	-0.0051	-0.1524	0.3716	-0.5240	-0.2351
127	50.40	0.02	13.3605	-3.1456	0.3221	1.5502	0.0011	-0.1391	0.3636	-0.5027	-0.2351
128	50.56	0.04	13.3843	-3.0745	0.5622	1.6077	0.0354	-0.1268	0.3714	-0.5002	-0.2297
129	50.73	-0.00	13.4522	-3.3420	0.1800	1.3642	0.0256	-0.1462	0.3634	-0.5056	-0.2484
130	50.89	0.03	13.3072	-2.8447	0.4924	1.3319	0.0398	-0.1207	0.3673	-0.4940	-0.2134
131	51.06	0.02	13.1802	-2.5527	0.3850	1.1525	0.0720	-0.1478	0.3610	-0.5068	-0.1966
132	51.22	0.02	13.3707	-2.8315	0.3063	1.1731	0.0507	-0.1330	0.3730	-0.4759	-0.2118
133	51.37	0.02	13.2161	-2.5331	0.3630	1.1206	0.0761	-0.1078	0.3627	-0.4704	-0.1917
134	51.57	0.02	13.3446	-2.4210	0.3537	1.0507	0.0015	-0.0904	0.3686	-0.4669	-0.1814
135	51.71	0.02	13.0564	-2.2510	0.3708	1.1301	0.0779	-0.0979	0.3692	-0.4670	-0.1719
136	51.89	-0.01	13.3320	-2.3756	0.1003	1.0503	0.0021	-0.1036	0.3646	-0.4731	-0.1762
137	52.00	0.00	13.2287	-1.7278	0.2006	1.0006	0.0621	-0.1013	0.3661	-0.4673	-0.1457
138	52.22	0.02	13.1514	-1.7410	0.4101	0.9400	0.0676	-0.0677	0.3735	-0.4612	-0.1324

PAGE 1 OF 3
SHEET 4 OF 4

PARTIAL PASSAGE FAILS EFFECTS DATA

TEST PART PACK XX10-6			PHI	CCNF	C	CEL1	CEL2	CEL3	CEL4	TRANSITION	
7 140 1.00 1.7			0.0	0.100F15	0.0	0	-20	0	-20	UNKNOWN	
FLINT	ALPHA	BETA	CN	CLM	CLY	CLN	CLL	CA	CAB	CAF	MCP
139	52.40	0.00	13.2250	-1.6988	0.2678	1.0204	0.0622	-0.0985	0.3633	-0.4607	-0.1284
140	52.54	0.01	13.1404	-1.7053	0.1433	0.9726	0.0623	-0.0704	0.3773	-0.4557	-0.1346
141	52.70	0.01	13.1434	-1.6872	0.2357	0.9541	0.0623	-0.0633	0.3880	-0.4513	-0.1284
142	52.84	0.01	13.2501	-1.7736	0.1501	0.8444	0.0574	-0.0803	0.3880	-0.4603	-0.1338
143	53.06	0.00	13.3255	-1.5151	0.1008	0.8575	0.0520	-0.0786	0.4224	-0.4710	-0.1440
144	53.22	0.00	13.4021	-2.1316	-0.0274	0.9280	0.0301	-0.0606	0.4234	-0.4521	-0.1553
145	53.38	0.01	13.3273	-2.0022	0.1062	0.9649	0.0630	-0.0578	0.4291	-0.4870	-0.1502
146	53.54	0.01	13.3089	-2.0557	0.1350	0.8150	0.0522	-0.0396	0.4336	-0.4735	-0.1541
147	53.70	0.03	13.4325	-2.1551	-0.0781	0.9337	0.0523	-0.0342	0.4385	-0.4727	-0.1634
148	53.86	0.00	13.4589	-2.2172	0.1063	0.8091	0.0523	-0.0514	0.4405	-0.4920	-0.1643
149	54.01	0.00	13.4855	-2.2724	0.2374	0.6775	0.0471	-0.0390	0.4506	-0.4897	-0.1688
150	54.17	0.00	13.5108	-2.3003	0.1900	0.8191	0.0407	-0.0046	0.4513	-0.5160	-0.1707
151	54.32	0.01	13.4754	-2.4017	0.0655	0.7593	0.0525	-0.0579	0.4546	-0.5126	-0.1782
152	54.44	0.03	13.3420	-2.4031	-0.0553	0.6551	0.0335	-0.0802	0.4502	-0.5305	-0.1834
153	54.64	0.01	13.6328	-2.0103	0.1767	0.6735	0.0532	-0.0712	0.4577	-0.5250	-0.1915
154	54.80	0.00	13.7311	-2.0104	0.2046	0.6021	0.0537	-0.0750	0.4523	-0.5274	-0.2051
155	54.95	0.02	13.7503	-2.3427	0.0885	0.6130	0.0539	-0.0797	0.4605	-0.5403	-0.2067
156	55.10	0.02	13.6507	-2.0103	0.0590	0.6004	0.0477	-0.0732	0.4629	-0.5362	-0.2059
157	55.27	0.03	13.6545	-3.0602	-0.0230	0.5745	0.0489	-0.0924	0.4660	-0.5565	-0.2188
158	55.40	0.02	13.7478	-2.5041	0.0400	0.6210	0.0340	-0.0858	0.4690	-0.5555	-0.2148
159	55.56	0.02	13.8785	-3.0554	0.0558	0.6866	0.0482	-0.1029	0.4705	-0.5734	-0.2204
160	55.72	0.01	13.7772	-3.0200	0.1761	0.4005	0.0540	-0.0803	0.4716	-0.5520	-0.2192
161	55.90	0.01	14.0033	-3.2001	0.1880	0.3981	0.0495	-0.0870	0.4721	-0.5592	-0.2285
162	56.04	0.03	13.8905	-3.1231	-0.0398	0.4883	0.0493	-0.0825	0.4788	-0.5614	-0.2248
163	56.19	0.05	13.9840	-3.1590	-0.0697	0.6195	0.0490	-0.1109	0.4822	-0.5530	-0.2283
164	56.34	0.01	14.2725	-2.8052	0.2235	0.4047	0.0503	-0.1555	0.4806	-0.6221	-0.2008
165	56.55	0.04	14.4258	-2.3410	-0.0154	0.0180	0.0415	-0.2222	0.4027	-0.6249	-0.1969

PAGE 2 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RX10-6				PHI CLAF		DEL1 DEL2		DEL3 DEL4		TRANSITION		
1 146 1.00 1.7				C.0 816CF15 C.C		0 -20		0 -20		UNKNOWN		
POINT	ALPHA	BETA	CNF1	Cnf1	Cnf1	ACFF1	YCPF1	CNF2	Cnf2	C82	XCPF2	YCPF2
1	-5.63	0.04	-0.0433	C.CC08	C.0147	-C.C165	-0.3433	-1.1305	-0.0235	-0.5188	0.0212	0.4589
2	-5.84	0.01	-0.0422	C.CC14	C.0154	-C.0238	-0.3058	-1.1278	-0.0240	-0.5175	0.0213	0.4586
3	-5.64	0.02	-0.0457	C.C	C.0144	0.0	-0.3158	-1.1251	-0.0243	-0.5156	0.0216	0.4583
4	-5.65	0.02	-0.0444	C.C	C.C146	C.C	-0.3160	-1.1305	-0.0243	-0.5188	0.0215	0.4588
5	-4.96	0.01	-0.0384	C.CC06	C.C163	-C.C156	-0.4245	-1.0673	-0.0253	-0.5016	0.0237	0.4700
6	-3.13	0.02	-0.0322	C.CC05	C.C165	-0.0155	-0.5240	-0.9935	-0.0171	-0.4928	C.C172	0.4958
7	-1.39	0.02	-0.0332	C.C	C.C157	C.C	-0.4729	-0.6740	-0.0177	-0.4435	C.CC03	0.5075
8	0.47	0.02	-0.0314	C.CC01	C.C148	-0.0051	-0.4039	-0.7432	-0.0190	-0.3848	C.C267	0.5177
9	2.29	0.02	-0.0292	C.CC02	C.C135	-0.0065	-0.4023	-0.6068	-0.0213	-0.3266	0.0352	0.5382
10	4.05	0.02	-0.0282	-C.CC12	C.C166	C.C406	-0.5087	-0.4752	-0.0244	-0.2037	0.0430	0.5550
11	5.55	0.03	-0.0364	-C.CC26	C.C190	C.C077	-0.4998	-0.3408	-0.0152	-0.2218	0.0436	0.6358
12	7.02	0.02	-0.0360	-C.CC28	C.C198	C.C778	-0.5500	-0.2340	-0.0110	-0.1662	0.0471	0.7103
13	9.61	0.02	-0.0182	-C.CC14	C.C218	C.C745	-1.1596	-0.1366	-0.0052	-0.1132	0.0376	0.8172
14	11.52	0.02	-0.0331	-C.CC12	C.C155	C.C363	-0.4063	-0.0449	0.0015	-0.0700	-0.0301	1.4036
15	13.37	0.02	-0.0481	-C.CC05	C.C146	C.CC04	-0.3042	0.0206	0.0067	-0.0360	0.2492	-1.3383
16	15.30	0.02	-0.0578	-C.CC24	C.C133	C.C416	-0.2305	0.0879	0.0179	-0.0123	0.2040	-0.1401
17	17.27	0.02	-0.0567	-C.CC32	C.C171	C.C576	-0.3076	0.1326	0.0281	0.0115	0.2123	0.0865
18	19.18	0.02	-C.C745	-C.CC07	C.C145	C.C057	-0.1992	0.2023	0.0394	0.0501	0.1570	0.2474
19	21.12	0.02	-C.CC22	-C.CC12	C.CC05	C.C139	-0.0050	0.2698	0.0460	0.0865	0.1778	0.3208
20	23.11	0.02	-0.1035	-C.CC16	-0.0474	C.C520	0.2575	0.3301	0.0535	0.1175	0.1582	0.3476
21	25.06	0.01	-0.1065	-C.CC21	-0.0267	C.C755	0.2500	0.4373	0.0582	0.1751	0.1331	0.4004
22	27.06	0.01	0.2703	C.CC23	C.C130	C.C062	0.5424	0.0207	0.0508	0.2588	0.0818	0.4170
23	28.04	0.06	0.1762	C.CC12	C.C160	C.C054	0.6017	0.0080	0.0539	0.2525	0.0886	0.4153
24	28.15	0.05	0.2140	C.CC16	C.C135	C.C055	0.6095	0.0210	0.0536	0.2555	C.C062	0.4175
25	28.53	0.07	0.2326	C.CC16	C.C134	C.C064	0.5734	0.0420	0.0534	0.2672	0.0832	0.4163
26	28.35	0.07	0.2021	C.CC16	C.C178	C.C017	0.5810	0.0458	0.0543	0.2708	0.0841	0.4194
27	29.13	0.08	0.2425	C.CC05	C.C155	C.C062	0.5742	0.0620	0.0544	0.2761	0.0822	0.4201
28	29.44	0.08	0.2032	C.CC27	C.C123	C.C009	0.5398	0.0631	0.0546	0.2421	0.0788	0.4214
29	29.74	0.08	C.C183	C.CC16	C.C155	C.C089	0.5738	0.0697	0.0575	0.2800	0.0858	0.4181
30	30.01	0.05	C.CC02	C.CC21	C.C142	C.C003	0.5276	0.7133	0.0545	0.3014	0.0764	0.4232
31	30.30	0.06	0.2313	C.CC07	0.1225	C.C066	0.5312	0.7130	0.0573	0.2599	0.0804	0.4206
32	30.50	0.05	0.1085	C.CC17	C.C112	C.C033	0.6007	0.7016	0.0594	0.2440	0.0847	0.4190
33	30.66	0.05	0.2822	C.CC23	C.C144	C.C098	0.5115	0.7356	0.0571	0.3113	0.0776	0.4232
34	31.11	0.05	0.2314	C.CC20	C.C125	C.C092	0.5405	0.7249	0.0585	0.3053	0.0807	0.4237
35	31.40	0.07	C.CC10	C.CC22	C.C162	C.C064	0.5060	0.7407	0.0594	0.3140	C.CC02	0.4239
36	31.67	0.07	C.C167	C.CC16	C.C107	C.C050	0.5738	0.7379	0.0600	0.3111	0.0813	0.4216
37	31.94	0.07	C.C178	C.CC13	C.C060	C.CC10	0.5589	0.7544	0.0584	0.3189	0.0774	0.4227
38	32.21	0.07	C.C178	C.CC16	C.C072	C.C035	0.5434	0.7705	0.0561	0.3278	0.0754	0.4254
39	32.47	0.06	0.1747	C.CC18	C.C057	C.CC03	0.5249	0.7799	0.0576	0.3322	0.0739	0.4260
40	32.75	0.06	0.1443	C.CC16	C.C065	C.C107	0.5302	0.7908	0.0573	0.3369	0.0725	0.4261
41	33.00	0.05	C.CC03	C.CC10	C.CC27	C.C756	0.6253	0.7783	0.0596	0.3305	0.0766	0.4247
42	33.25	0.06	0.0701	C.CC14	C.CC01	0.1474	0.5397	0.7934	0.0583	0.3360	0.0735	0.4243
43	33.49	0.06	0.1317	C.CC12	C.C054	C.CC51	0.5270	0.8044	0.0568	0.3412	0.0706	0.4242
44	33.75	0.05	0.0796	C.CC01	0.0480	C.C145	0.6025	0.7974	0.0565	0.3386	0.0734	0.4247
45	34.01	0.06	0.1040	C.CC07	C.C055	C.C054	0.6295	0.8043	0.0578	0.3413	0.0719	0.4246
46	34.26	0.06	0.1063	C.CC13	C.C124	C.C736	0.5497	0.8206	0.0571	0.3491	0.0696	0.4255

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 0.8-6			PHI CONF		L		DECI	DEC2	DEC3	DEC4	TRANSITION	
7 140 1.00 1.1			C.C. 0.00015		C.C.		0	-20	0	-20	UNKNOWN	
PCENT	ALPHA	BETA	CNF1	CH1	CH1	ALPH1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	34.50	0.05	0.1556	0.0087	0.0810	0.0560	0.5206	0.6110	0.0585	0.3440	0.0721	0.4242
48	34.75	0.07	0.1602	0.0104	0.1035	0.0578	0.5744	0.6001	0.0587	0.3388	0.0734	0.4235
49	35.01	0.05	0.1575	0.0072	0.0851	0.0458	0.5404	0.6001	0.0606	0.3380	0.0757	0.4225
50	35.24	0.05	0.1657	0.0097	0.0903	0.0512	0.5070	0.6029	0.0601	0.3393	0.0749	0.4224
51	35.47	0.04	0.1426	0.0046	0.0652	0.0323	0.5976	0.7881	0.0623	0.3302	0.0791	0.4150
52	35.73	0.05	0.1354	0.0032	0.0814	0.0263	0.6113	0.7679	0.0630	0.3330	0.0800	0.4227
53	35.97	0.05	0.1358	0.0027	0.0771	0.0193	0.5516	0.6001	0.0650	0.3353	0.0812	0.4191
54	36.10	0.04	0.1203	0.0027	0.0730	0.0225	0.6065	0.7945	0.0660	0.3335	0.0831	0.4203
55	36.45	0.04	0.1252	0.0058	0.0903	0.0352	0.5467	0.6078	0.0678	0.3383	0.0839	0.4188
56	36.69	0.04	0.1044	0.0008	0.0612	0.0077	0.5858	0.6031	0.0679	0.3356	0.0846	0.4175
57	36.89	0.01	0.0855	0.0014	0.0507	0.0183	0.5897	0.6004	0.0682	0.3349	0.0852	0.4184
58	37.17	0.04	0.0864	0.0035	0.0501	0.0430	0.6974	0.6058	0.0686	0.3348	0.0854	0.4155
59	37.39	0.03	0.0511	0.0032	0.0315	0.0028	0.6255	0.6112	0.0686	0.3380	0.0846	0.4167
60	37.61	0.06	0.0628	0.0067	0.1102	0.0430	0.5434	0.6162	0.0683	0.3393	0.0835	0.4147
61	37.87	0.03	0.0695	0.0018	0.0473	0.0201	0.5256	0.6236	0.0631	0.3413	0.0827	0.4144
62	38.10	0.04	0.1578	0.0051	0.1025	0.0258	0.5202	0.6290	0.0688	0.3418	0.0830	0.4123
63	38.32	0.05	0.2305	0.0067	0.1174	0.0373	0.5396	0.6372	0.0681	0.3446	0.0814	0.4116
64	38.56	0.05	0.2057	0.0062	0.1050	0.0392	0.5038	0.6426	0.0680	0.3467	0.0807	0.4115
65	38.79	0.05	0.2056	0.0072	0.1092	0.0351	0.5314	0.6426	0.0683	0.3456	0.0811	0.4102
66	38.95	0.04	0.1406	0.0050	0.1756	0.0392	0.5171	0.6724	0.0668	0.3568	0.0766	0.4113
67	39.21	0.06	0.2125	0.0076	0.1152	0.0358	0.5333	0.6617	0.0676	0.3514	0.0785	0.4075
68	39.44	0.03	0.1705	0.0060	0.0989	0.0492	0.5192	0.6670	0.0677	0.3546	0.0781	0.4091
69	39.63	0.02	0.1455	0.0065	0.0702	0.0474	0.4311	0.6777	0.0667	0.3615	0.0760	0.4124
70	39.80	0.05	0.2421	0.0140	0.1215	0.0579	0.5021	0.6544	0.0687	0.3448	0.0804	0.4036
71	40.07	0.04	0.2023	0.0110	0.1022	0.0544	0.5547	0.6599	0.0685	0.3479	0.0797	0.4046
72	40.26	0.03	0.1748	0.0096	0.0864	0.0550	0.4943	0.6789	0.0667	0.3580	0.0759	0.4074
73	40.46	0.03	0.1982	0.0136	0.0952	0.0687	0.4803	0.6882	0.0671	0.3501	0.0773	0.4033
74	40.66	0.05	0.1612	0.0124	0.0720	0.0775	0.4494	0.6708	0.0674	0.3520	0.0774	0.4043
75	40.89	0.03	0.1456	0.0097	0.0706	0.0650	0.4719	0.6755	0.0667	0.3562	0.0758	0.4045
76	41.09	0.03	0.1655	0.0115	0.0810	0.0720	0.4930	0.6746	0.0667	0.3531	0.0763	0.4038
77	41.30	0.03	0.1451	0.0100	0.0670	0.0690	0.4017	0.6720	0.0669	0.3496	0.0767	0.4010
78	41.52	0.02	0.1001	0.0103	0.0384	0.1030	0.3840	0.6714	0.0615	0.3710	0.0669	0.4035
79	41.71	0.02	0.1420	0.0098	0.0730	0.0691	0.5141	0.6812	0.0656	0.3528	0.0745	0.4004
80	41.93	0.02	0.1056	0.0090	0.0527	0.0677	0.4004	0.6947	0.0653	0.3577	0.0730	0.3998
81	42.12	0.02	0.1355	0.0055	0.0715	0.0730	0.5291	0.6554	0.0677	0.3383	0.0792	0.3955
82	42.29	0.02	0.1063	0.0090	0.0507	0.0646	0.4785	0.6821	0.0683	0.3527	0.0752	0.3955
83	42.45	0.01	0.1353	0.0105	0.0756	0.0755	0.5428	0.6777	0.0697	0.3267	0.0842	0.3947
84	42.68	0.02	0.0954	0.0053	0.0475	0.0553	0.4948	0.6806	0.0674	0.3515	0.0766	0.3992
85	42.85	0.01	0.0890	0.0072	0.0423	0.0810	0.4747	0.6831	0.0662	0.3525	0.0750	0.3992
86	43.02	0.01	0.0824	0.0053	0.0365	0.0844	0.4435	0.6910	0.0614	0.3575	0.0757	0.4013
87	43.21	0.01	0.0958	0.0091	0.0538	0.0913	0.5386	0.6732	0.0710	0.3213	0.0863	0.3903
88	43.40	0.02	0.0700	0.0081	0.0440	0.1030	0.5576	0.6323	0.0705	0.3234	0.0847	0.3885
89	43.57	0.02	0.0712	0.0066	0.0381	0.0957	0.5077	0.6593	0.0692	0.3397	0.0805	0.3906
90	43.74	0.01	0.0744	0.0065	0.0442	0.1072	0.5382	0.6949	0.0670	0.3556	0.0745	0.3956
91	43.92	0.01	0.0744	0.0067	0.0317	0.0902	0.4268	0.6861	0.0686	0.3495	0.0774	0.3954
92	44.10	0.02	0.0730	0.0101	0.0294	0.1306	0.4102	0.6812	0.0665	0.3425	0.0755	0.3887

PAGE 2 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

PCINT	TEST PART MACH X10-6		PHI CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION	
	7	140	1.00	1.7	0.0	0.0	0.0	-20	0	-20	UNKNOWN	
	ALPHA	DETA	CNF1	CHI	CBI	XCPF1	YCPF1	CNF2	CF2	CH2	XCPF2	YCPF2
93	44.30	0.00	0.0719	0.0085	0.0200	0.1240	0.2786	0.8972	0.0630	0.3510	0.0758	0.3613
94	44.49	0.00	0.0627	0.0114	0.0210	0.1361	0.2542	0.8994	0.0677	0.3528	0.0752	0.3621
95	44.68	0.01	0.0519	0.0112	0.0389	0.1221	0.4237	0.8719	0.0717	0.3417	0.0823	0.3515
96	44.87	0.00	0.0445	0.0130	0.0373	0.1378	0.3751	0.8706	0.0712	0.3400	0.0818	0.3906
97	45.02	0.01	0.0547	0.0120	0.0382	0.1265	0.3827	0.8661	0.0702	0.3385	0.0809	0.3877
98	45.21	0.00	0.0475	0.0153	0.0377	0.1379	0.3245	0.8875	0.0670	0.3445	0.0764	0.3862
99	45.41	0.01	0.0634	0.0104	0.0278	0.1249	0.3337	0.8772	0.0704	0.3408	0.0803	0.3885
100	45.57	0.00	0.0551	0.0072	0.0248	0.1221	0.4203	0.8468	0.0734	0.3275	0.0867	0.3867
101	45.76	0.00	0.0613	0.0085	0.0288	0.1128	0.4346	0.8307	0.0742	0.3186	0.0893	0.3838
102	45.93	0.01	0.0855	0.0110	0.0270	0.1243	0.3217	0.8743	0.0708	0.3361	0.0810	0.3844
103	46.12	0.01	0.0525	0.0082	0.0163	0.1566	0.3111	0.8494	0.0730	0.3266	0.0860	0.3845
104	46.32	0.01	0.0400	0.0062	0.0157	0.1551	0.3925	0.8237	0.0742	0.3154	0.0901	0.3829
105	46.48	0.01	0.0390	0.0052	0.0150	0.1334	0.3846	0.8162	0.0751	0.3118	0.0918	0.3811
106	46.68	0.01	0.0190	0.0015	0.0070	0.0790	0.3684	0.7896	0.0764	0.3032	0.0968	0.3840
107	46.85	0.01	0.0057	0.0003	0.0026	0.0339	0.2680	0.7964	0.0766	0.3054	0.0962	0.3835
108	47.02	0.02	0.0122	0.0003	0.0019	0.0240	0.1957	0.8246	0.0751	0.3222	0.0911	0.3907
109	47.19	0.01	0.0252	0.0030	0.0063	0.1191	0.2500	0.8322	0.0716	0.3314	0.0840	0.3889
110	47.39	0.00	0.0193	0.0035	0.0020	0.2022	0.1947	0.8727	0.0709	0.3401	0.0813	0.3897
111	47.55	0.01	0.0116	0.0025	0.0034	0.0537	0.3729	0.8812	0.0526	0.3329	0.0557	0.3778
112	47.72	0.01	0.0111	0.0014	0.0042	0.0795	0.4837	0.7342	0.0416	0.2604	0.0566	0.3547
113	47.89	0.03	0.0101	0.0022	0.0012	0.1189	0.4321	0.7611	0.0417	0.2702	0.0547	0.3556
114	48.07	0.03	0.0134	0.0014	0.0022	0.1298	0.5082	0.7572	0.0411	0.2655	0.0542	0.3507
115	48.26	0.03	0.0159	0.0012	0.0028	0.3209	0.5213	0.7926	0.0393	0.2770	0.0445	0.3495
116	48.44	0.03	0.0091	0.0015	0.0004	0.3082	0.9231	0.8051	0.0376	0.2660	0.0467	0.3486
117	48.59	0.03	0.0070	0.0012	0.0005	0.7150	0.8000	0.8314	0.0431	0.2857	0.0518	0.3484
118	48.78	0.02	0.0019	0.0017	0.0015	0.4524	0.4232	0.8506	0.0467	0.2573	0.0572	0.3455
119	48.98	0.04	0.0437	0.0018	0.0018	0.4543	0.3624	0.8708	0.0508	0.3053	0.0583	0.3506
120	49.14	0.04	0.0436	0.0015	0.0016	0.4484	0.3616	0.8700	0.0502	0.3033	0.0576	0.3484
121	49.31	0.02	0.0525	0.0013	0.0017	0.3454	0.3263	0.8534	0.0469	0.2552	0.0549	0.3458
122	49.49	0.03	0.0358	0.0012	0.0014	0.4806	0.2905	0.8893	0.0483	0.3025	0.0555	0.3480
123	49.69	0.01	0.0122	0.0017	0.0024	0.6154	0.1967	0.8900	0.0501	0.3156	0.0559	0.3522
124	49.86	0.02	0.0062	0.0000	0.0000	0.2271	0.6452	0.9014	0.0505	0.3166	0.0560	0.3512
125	50.02	0.01	0.0144	0.00232	0.0027	0.6117	0.1875	0.9193	0.0558	0.3238	0.0607	0.3522
126	50.21	0.03	0.0242	0.0018	0.0017	0.4878	0.6074	0.8657	0.0426	0.3007	0.0492	0.3473
127	50.40	0.02	0.0005	0.0016	0.0046	0.7849	0.3333	0.8345	0.0346	0.2660	0.0414	0.3427
128	50.56	0.04	0.0000	0.0001	0.0042	0.6120	0.4884	0.7868	0.0276	0.2571	0.0367	0.3353
129	50.73	0.00	0.0000	0.0012	0.0062	0.3335	0.6889	0.8222	0.0298	0.2830	0.0363	0.3443
130	50.89	0.03	0.0000	0.0001	0.0003	0.61707	0.5000	0.7748	0.0263	0.2612	0.0366	0.3372
131	51.06	0.02	0.0248	0.0005	0.0005	0.6202	0.4234	0.7543	0.0331	0.2516	0.0400	0.3338
132	51.22	0.02	0.0211	0.0012	0.0087	0.6509	0.4123	0.7813	0.0293	0.2645	0.0376	0.3386
133	51.37	0.02	0.0	0.0005	0.0001	0.6005	0.3001	0.7285	0.0283	0.2440	0.0389	0.3345
134	51.57	0.02	0.0151	0.0016	0.0006	0.1060	0.4371	0.7191	0.0282	0.2400	0.0393	0.3330
135	51.71	0.02	0.0174	0.0028	0.0005	0.1610	0.3966	0.7021	0.0280	0.2330	0.0359	0.3319
136	51.89	0.01	0.0150	0.0028	0.0007	0.1867	0.4467	0.7154	0.0273	0.2415	0.0382	0.3376
137	52.06	0.00	0.0301	0.0067	0.0015	0.2227	0.3621	0.6821	0.0285	0.2268	0.0418	0.3325
138	52.22	0.02	0.0220	0.0048	0.0077	0.2183	0.3500	0.6929	0.0281	0.2336	0.0406	0.3371

PAGE 2 OF 3
SHEET 4 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	FACT	EXIG-6	PHI	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	14c	1.00	1.7	G.C	blanchis	0.0	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNFI	CHI	COI	ACPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
139	52.40	0.00	-0.00156	-0.00060	-0.00000	0.3062	0.3367	0.6847	0.0286	0.2302	0.0418	0.3362
140	52.54	-0.01	-0.00151	-0.00053	-0.00034	0.3511	0.2963	0.6928	0.0275	0.2352	0.0403	0.3355
141	52.70	0.01	-0.00163	-0.00055	-0.00036	0.3621	0.2209	0.6928	0.0281	0.2356	0.0406	0.3386
142	52.85	0.01	-0.00150	-0.00040	-0.00014	0.3078	0.1462	0.7062	0.0276	0.2416	0.0391	0.3421
143	53.06	-0.00	-0.00109	-0.00055	-0.00061	0.2633	0.2915	0.7060	0.0271	0.2425	0.0383	0.3425
144	53.22	-0.02	-0.00190	-0.00054	-0.00065	0.2756	0.3316	0.7200	0.0271	0.2462	0.0377	0.3426
145	53.38	-0.01	-0.00184	-0.00055	-0.00064	0.2590	0.3478	0.7134	0.0267	0.2430	0.0375	0.3406
146	53.54	-0.01	-0.00161	-0.00047	-0.00055	0.2920	0.3416	0.7241	0.0265	0.2471	0.0367	0.3413
147	53.70	-0.03	-0.00157	-0.00046	-0.00064	0.2336	0.3249	0.7303	0.0263	0.2494	0.0361	0.3415
148	53.86	-0.00	-0.00156	-0.00048	-0.00074	0.2450	0.3776	0.7360	0.0261	0.2498	0.0357	0.3413
149	54.01	0.00	-0.00151	-0.00054	-0.00047	0.2253	0.3113	0.7374	0.0255	0.2524	0.0352	0.3423
150	54.17	0.00	-0.00149	-0.00043	-0.00058	0.2867	0.3493	0.7454	0.0252	0.2562	0.0339	0.3437
151	54.32	0.01	-0.00174	-0.00035	-0.00060	0.2242	0.3448	0.7494	0.0255	0.2582	0.0341	0.3446
152	54.49	-0.03	-0.00163	-0.00042	-0.00044	0.2578	0.2699	0.7516	0.0250	0.2561	0.0333	0.3447
153	54.64	-0.01	-0.00155	-0.00041	-0.00056	0.2061	0.2515	0.7516	0.0256	0.2560	0.0341	0.3433
154	54.80	-0.00	-0.00176	-0.00043	-0.00040	0.2444	0.2273	0.7632	0.0246	0.2640	0.0323	0.3459
155	54.95	-0.02	-0.00187	-0.00046	-0.00047	0.2461	0.2513	0.7605	0.0245	0.2637	0.0323	0.3468
156	55.10	-0.02	-0.00214	-0.00042	-0.00035	0.1563	0.1822	0.7693	0.0242	0.2684	0.0315	0.3485
157	55.27	-0.03	-0.00190	-0.00035	-0.00031	0.2053	0.1632	0.7749	0.0237	0.2694	0.0306	0.3484
158	55.40	-0.02	-0.00248	-0.00047	-0.00055	0.1896	0.2375	0.7746	0.0236	0.2715	0.0305	0.3505
159	55.56	-0.02	-0.00216	-0.00035	-0.00023	0.1806	0.1065	0.7757	0.0236	0.2723	0.0305	0.3511
160	55.72	-0.01	-0.00160	-0.00043	-0.00015	0.2390	0.0506	0.7836	0.0227	0.2751	0.0290	0.3510
161	55.90	-0.01	-0.00225	-0.00035	-0.00015	0.1704	0.0830	0.7888	0.0225	0.2768	0.0286	0.3510
162	56.04	-0.03	-0.00216	-0.00046	-0.00015	0.2130	0.0860	0.7793	0.0226	0.2744	0.0280	0.3522
163	56.19	-0.05	-0.00253	-0.00035	-0.00032	0.1384	0.1265	0.7901	0.0218	0.2801	0.0276	0.3546
164	56.35	-0.01	-0.00217	-0.00045	-0.00013	0.2075	0.0599	0.8072	0.0215	0.2850	0.0267	0.3531
165	56.55	-0.04	-0.00275	-0.00063	-0.00048	0.0108	0.1649	0.8451	0.0206	0.2957	0.0244	0.3498

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 140 1.00 1.7			0.0	0.0015	0.0	0	-20	0	-20	UNKNOWN		
PLINT	ALPHA	BETA	CNF3	CH3	CB3	ACPF3	YCPF3	CNF4	CH4	CB4	ACPF4	YCPF4
1	-5.83	0.04	0.0364	5.5555	0.0088	5.5555	0.2418	-1.2336	-0.0287	-0.4779	0.0233	0.3875
2	-5.84	0.01	0.0377	5.5555	0.0085	5.5555	0.2301	-1.2390	-0.0288	-0.4804	0.0233	0.3877
3	-5.84	0.02	0.0365	5.5555	0.0085	5.5555	0.1890	-1.2334	-0.0287	-0.4789	0.0233	0.3883
4	-5.85	0.02	0.0350	5.5555	0.0085	5.5555	0.2179	-1.2304	-0.0291	-0.4777	0.0237	0.3882
5	-4.96	0.01	0.0403	5.5555	0.0088	5.5555	0.2134	-1.1733	-0.0301	-0.4606	0.0257	0.3525
6	-3.13	0.02	0.0370	5.5555	0.0074	5.5555	0.1958	-1.1011	-0.0290	-0.4443	0.0255	0.4080
7	-1.39	0.02	0.0377	5.5555	0.0085	5.5555	0.2361	-0.9756	-0.0274	-0.4003	0.0280	0.4056
8	0.47	0.02	0.0402	5.5555	0.0100	5.5555	0.2637	-0.8520	-0.0275	-0.3463	0.0321	0.4065
9	2.29	0.02	0.0405	5.5555	0.0131	5.5555	0.2823	-0.7187	-0.0273	-0.2846	0.0380	0.3561
10	4.09	0.02	0.0529	5.5555	0.0116	5.5555	0.2197	-0.3752	-0.0255	-0.2256	0.0441	0.3622
11	5.93	0.03	0.0606	5.5555	0.0112	5.5555	0.1851	-0.4607	-0.0189	-0.1788	0.0411	0.3838
12	7.62	0.02	0.0581	5.5555	0.0091	5.5555	0.1509	-0.3427	-0.0135	-0.1195	0.0395	0.3488
13	9.61	0.02	0.0556	5.5555	0.0082	5.5555	0.1342	-0.2484	-0.0060	-0.0663	0.0242	0.2668
14	11.52	0.02	0.0672	5.5555	0.0048	5.5555	0.0715	-0.1405	0.0017	-0.0299	-0.0121	0.2131
15	13.37	0.02	0.0697	5.5555	0.0045	5.5555	0.0647	-0.0607	0.0093	0.0044	-0.1535	-0.0726
16	15.30	0.02	0.0685	5.5555	0.0015	5.5555	0.0219	-0.0056	0.0213	0.0344	-3.0051	-6.1429
17	17.27	0.02	0.0658	5.5555	0.0021	5.5555	0.0301	-0.0744	0.0339	0.0063	0.4551	0.8910
18	19.18	0.02	0.0723	5.5555	0.0013	5.5555	0.0180	0.1042	0.0437	0.1146	0.2660	0.6982
19	21.12	0.02	0.0772	5.5555	0.0022	5.5555	0.0285	0.2352	0.0489	0.1554	0.2044	0.6456
20	23.11	0.00	0.0648	5.5555	-0.0037	5.5555	-0.0572	0.3204	0.0506	0.1986	0.1579	0.6200
21	25.06	0.01	0.0755	5.5555	0.0038	5.5555	0.0479	0.3618	0.0561	0.2318	0.1469	0.6071
22	27.04	0.07	0.0640	5.5555	0.0127	5.5555	0.1297	0.3406	0.0651	0.2146	0.1911	0.6259
23	28.04	0.06	0.1025	5.5555	0.0155	5.5555	0.1508	0.3575	0.0644	0.2473	0.1620	0.6222
24	28.15	0.09	0.1051	5.5555	0.0180	5.5555	0.1651	0.3444	0.0651	0.2466	0.1651	0.6253
25	28.53	0.07	0.0567	5.5555	0.0131	5.5555	0.1356	0.3997	0.0657	0.2502	0.1644	0.6260
26	28.65	0.07	0.0455	5.5555	0.0124	5.5555	0.1258	0.4111	0.0655	0.2552	0.1553	0.6208
27	29.13	0.08	0.1018	5.5555	0.0154	5.5555	0.1517	0.4052	0.0659	0.2528	0.1627	0.6239
28	29.44	0.04	0.1006	5.5555	0.0163	5.5555	0.1531	0.4048	0.0666	0.2539	0.1656	0.6273
29	29.74	0.06	0.1054	5.5555	0.0167	5.5555	0.1586	0.4368	0.0649	0.2726	0.1486	0.6241
30	30.01	0.05	0.1202	5.5555	0.0235	5.5555	0.1440	0.4157	0.0677	0.2616	0.1625	0.6253
31	30.30	0.08	0.1115	5.5555	0.0201	5.5555	0.1804	0.4365	0.0655	0.2727	0.1501	0.6248
32	30.50	0.09	0.1080	5.5555	0.0174	5.5555	0.1613	0.4044	0.0648	0.2865	0.1356	0.6165
33	30.80	0.05	0.1118	5.5555	0.0281	5.5555	0.1892	0.4475	0.0666	0.2766	0.1487	0.6176
34	31.11	0.05	0.1117	5.5555	0.0202	5.5555	0.1810	0.4779	0.0660	0.2524	0.1381	0.6116
35	31.40	0.07	0.1067	5.5555	0.0178	5.5555	0.1670	0.4678	0.0659	0.2567	0.1351	0.6082
36	31.67	0.07	0.1068	5.5555	0.0168	5.5555	0.1575	0.5358	0.0660	0.3206	0.1232	0.5984
37	31.94	0.07	0.1031	5.5555	0.0141	5.5555	0.1369	0.5283	0.0667	0.3170	0.1263	0.6000
38	32.21	0.07	0.1043	5.5555	0.0155	5.5555	0.1419	0.5238	0.0673	0.3158	0.1265	0.6028
39	32.47	0.06	0.1020	5.5555	0.0135	5.5555	0.1325	0.5332	0.0672	0.3189	0.1261	0.5981
40	32.73	0.06	0.1007	5.5555	0.0144	5.5555	0.1431	0.5004	0.0658	0.3362	0.1162	0.5936
41	33.00	0.05	0.0920	5.5555	0.0102	5.5555	0.1110	0.5969	0.0630	0.3523	0.1072	0.5902
42	33.25	0.06	0.0956	5.5555	0.0115	5.5555	0.1202	0.6007	0.0651	0.3548	0.1084	0.5907
43	33.49	0.06	0.1000	5.5555	0.0158	5.5555	0.1572	0.5961	0.0657	0.3520	0.1102	0.5955
44	33.75	0.05	0.0882	5.5555	0.0065	5.5555	0.1124	0.6206	0.0644	0.3635	0.1038	0.5856
45	34.01	0.06	0.0882	5.5555	0.0105	5.5555	0.1237	0.6218	0.0653	0.3642	0.1050	0.5858
46	34.26	0.06	0.0906	5.5555	0.0160	5.5555	0.1655	0.6248	0.0662	0.3677	0.1051	0.5838

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		RXIC-6		PHI	CNCF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		146		1.00		1.7		C.C	0	-20	0	-20	UNKNOWN
PLINT	ALPHA	BETA	CNF2	CH3	LB3	XCPE3	YCPE3	CNF4	CH4	LB4	XCPE4	YCPE4	
47	34.50	0.05	0.0906	5.9999	0.0131	5.9999	0.1440	0.6363	0.0663	0.3730	0.1039	0.5643	
48	34.75	0.07	0.0893	5.9999	0.0135	5.9999	0.1513	0.6340	0.0664	0.3706	0.1047	0.5645	
49	35.01	0.05	0.0852	5.9999	0.0135	5.9999	0.1500	0.6457	0.0666	0.3763	0.1032	0.5627	
50	35.24	0.05	0.0842	5.9999	0.0106	5.9999	0.1614	0.6451	0.0675	0.3732	0.1047	0.5785	
51	35.47	0.04	0.0803	5.9999	0.0150	5.9999	0.1683	0.6599	0.0672	0.3827	0.1018	0.5755	
52	35.73	0.05	0.0805	5.9999	0.0132	5.9999	0.1759	0.6553	0.0679	0.3788	0.1036	0.5780	
53	35.97	0.05	0.0813	5.9999	0.0185	5.9999	0.2029	0.6681	0.0685	0.3836	0.1025	0.5741	
54	36.18	0.04	0.0839	5.9999	0.0135	5.9999	0.1611	0.6653	0.0685	0.3854	0.1030	0.5792	
55	36.45	0.04	0.0850	5.9999	0.0165	5.9999	0.1943	0.6638	0.0714	0.3816	0.1076	0.5748	
56	36.69	0.04	0.0865	5.9999	0.0185	5.9999	0.2070	0.6650	0.0716	0.3836	0.1070	0.5736	
57	36.89	0.01	0.0810	5.9999	0.0154	5.9999	0.2134	0.6762	0.0712	0.3856	0.1053	0.5705	
58	37.17	0.04	0.0830	5.9999	0.0164	5.9999	0.1704	0.6800	0.0730	0.3876	0.1082	0.5694	
59	37.39	0.03	0.0838	5.9999	0.0165	5.9999	0.2024	0.6888	0.0745	0.3801	0.1114	0.5683	
60	37.61	0.06	0.0857	5.9999	0.0227	5.9999	0.2374	0.6835	0.0740	0.3865	0.1093	0.5660	
61	37.87	0.03	0.0845	5.9999	0.0145	5.9999	0.1845	0.6820	0.0742	0.3847	0.1085	0.5640	
62	38.10	0.04	0.0855	5.9999	0.0165	5.9999	0.2150	0.6785	0.0745	0.3836	0.1104	0.5650	
63	38.32	0.05	0.0844	5.9999	0.0184	5.9999	0.2178	0.6875	0.0743	0.3878	0.1081	0.5840	
64	38.50	0.05	0.0855	5.9999	0.0222	5.9999	0.2403	0.7040	0.0738	0.3920	0.1048	0.5563	
65	38.75	0.05	0.0855	5.9999	0.0172	5.9999	0.2178	0.7073	0.0735	0.3912	0.1045	0.5531	
66	38.99	0.04	0.0821	5.9999	0.0167	5.9999	0.2260	0.7013	0.0747	0.3855	0.1066	0.5560	
67	39.21	0.06	0.0833	5.9999	0.0202	5.9999	0.2530	0.7026	0.0745	0.3855	0.1088	0.5544	
68	39.44	0.03	0.0808	5.9999	0.0166	5.9999	0.2305	0.7170	0.0740	0.3950	0.1032	0.5509	
69	39.63	0.02	0.0821	5.9999	0.0157	5.9999	0.2432	0.7150	0.0740	0.3925	0.1034	0.5450	
70	39.86	0.05	0.0850	5.9999	0.0224	5.9999	0.2672	0.7250	0.0736	0.3965	0.1015	0.5474	
71	40.07	0.04	0.0848	5.9999	0.0214	5.9999	0.2553	0.7424	0.0723	0.4032	0.0974	0.5431	
72	40.26	0.03	0.0847	5.9999	0.0176	5.9999	0.2359	0.7424	0.0723	0.4027	0.0974	0.5424	
73	40.46	0.03	0.0863	5.9999	0.0204	5.9999	0.2609	0.7456	0.0717	0.4059	0.0962	0.5444	
74	40.68	0.02	0.0876	5.9999	0.0205	5.9999	0.2579	0.7356	0.0724	0.4030	0.0975	0.5445	
75	40.85	0.03	0.0833	5.9999	0.0228	5.9999	0.2740	0.7491	0.0719	0.4081	0.0960	0.5448	
76	41.05	0.03	0.0834	5.9999	0.0204	5.9999	0.2605	0.7505	0.0715	0.4062	0.0958	0.5412	
77	41.30	0.03	0.0821	5.9999	0.0222	5.9999	0.2707	0.7554	0.0735	0.4103	0.0934	0.5403	
78	41.52	0.02	0.0811	5.9999	0.0175	5.9999	0.2521	0.7514	0.0716	0.4060	0.0953	0.5403	
79	41.71	0.02	0.0811	5.9999	0.0175	5.9999	0.2521	0.7677	0.0700	0.4127	0.0912	0.5376	
80	41.93	0.02	0.0872	5.9999	0.0223	5.9999	0.2892	0.7617	0.0707	0.4103	0.0928	0.5386	
81	42.12	0.02	0.0870	5.9999	0.0158	5.9999	0.2793	0.7855	0.0682	0.4178	0.0888	0.5315	
82	42.24	0.02	0.0884	5.9999	0.0244	5.9999	0.3116	0.7830	0.0654	0.4177	0.0887	0.5335	
83	42.46	0.01	0.0870	5.9999	0.0202	5.9999	0.2934	0.7951	0.0675	0.4204	0.0849	0.5288	
84	42.68	0.02	0.0875	5.9999	0.0223	5.9999	0.3150	0.7824	0.0695	0.4156	0.0868	0.5306	
85	42.85	0.01	0.0886	5.9999	0.0157	5.9999	0.2376	0.7751	0.0700	0.4161	0.0903	0.5365	
86	43.02	0.01	0.0861	5.9999	0.0185	5.9999	0.2803	0.7830	0.0696	0.4146	0.0851	0.5251	
87	43.21	0.01	0.0867	5.9999	0.0177	5.9999	0.2500	0.8015	0.0676	0.4197	0.0844	0.5237	
88	43.40	0.02	0.0870	5.9999	0.0153	5.9999	0.2761	0.8081	0.0673	0.4155	0.0833	0.5151	
89	43.57	0.02	0.0870	5.9999	0.0203	5.9999	0.2904	0.7944	0.0690	0.4160	0.0889	0.5243	
90	43.74	0.01	0.0870	5.9999	0.0202	5.9999	0.2976	0.7722	0.0711	0.4056	0.0921	0.5304	
91	43.92	0.01	0.0873	5.9999	0.0205	5.9999	0.2935	0.7862	0.0734	0.4115	0.0896	0.5235	
92	44.10	0.02	0.0865	5.9999	0.0138	5.9999	0.2447	0.7806	0.0703	0.4104	0.0901	0.5258	

PAGE 3 OF 3
SHEET 3 OF 4

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIS C CONF C CEL1 DEL2 DEL3 CEL4 TRANSITION												
7 140 1.00 1.7			C.C. 010CF15 0.0		U	-20	0	-20	UNKNOWN			
PCINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	44.30	0.00	0.0727	5.9555	0.0236	5.9999	0.3207	0.7613	0.0718	0.4004	0.0943	0.5259
94	44.44	0.00	0.0738	5.9555	0.0251	5.9999	0.3134	0.7516	0.0714	0.3965	0.0950	0.5273
95	44.68	-0.01	0.0701	5.9555	0.0213	5.9999	0.3045	0.7425	0.0708	0.4144	0.0894	0.5225
96	44.87	-0.00	0.0664	5.9555	0.0196	5.9999	0.2956	0.7362	0.0721	0.4115	0.0917	0.5234
97	45.02	0.01	0.0624	5.9555	0.0161	5.9999	0.2861	0.7300	0.0711	0.4068	0.0903	0.5188
98	45.22	0.00	0.0614	5.9555	0.0215	5.9555	0.3012	0.7665	0.0720	0.3950	0.0940	0.5206
99	45.41	-0.01	0.0566	5.9555	0.0134	5.9555	0.2372	0.7697	0.0725	0.4013	0.0942	0.5213
100	45.57	-0.00	0.0551	5.9555	0.0150	5.9555	0.2542	0.7930	0.0712	0.4070	0.0898	0.5133
101	45.76	0.00	0.0640	5.9555	0.0174	5.9555	0.2723	0.7934	0.0708	0.4054	0.0893	0.5110
102	45.93	0.01	0.0640	5.9555	0.0175	5.9555	0.2801	0.7753	0.0722	0.4000	0.0932	0.5156
103	46.12	0.01	0.0603	5.9999	0.0161	5.9555	0.2674	0.7969	0.0713	0.4056	0.0895	0.5090
104	46.32	-0.01	0.0627	5.9555	0.0166	5.9555	0.2884	0.7865	0.0696	0.3984	0.0888	0.5066
105	46.48	0.01	0.0614	5.9555	0.0172	5.9555	0.2806	0.7862	0.0703	0.3953	0.0894	0.5028
106	46.66	-0.01	0.0535	5.9555	0.0131	5.9555	0.2435	0.7629	0.0751	0.3866	0.0985	0.5067
107	46.85	-0.01	0.0551	5.9555	0.0142	5.9555	0.2562	0.7605	0.0739	0.3800	0.0972	0.4996
108	47.02	-0.02	0.0585	5.9555	0.0150	5.9999	0.2551	0.7623	0.0750	0.3879	0.0959	0.4958
109	47.19	-0.01	0.0527	5.9555	0.0120	5.9555	0.2261	0.7974	0.0730	0.3923	0.0916	0.4920
110	47.39	-0.00	0.0626	5.9555	0.0166	5.9555	0.2866	0.8119	0.0720	0.3940	0.0867	0.4862
111	47.55	0.01	0.0600	5.9555	0.0165	5.9555	0.2755	0.8446	0.0544	0.3961	0.0844	0.4713
112	47.72	0.01	0.0711	5.9555	0.0222	5.9555	0.3211	0.8669	0.0320	0.3158	0.0479	0.4735
113	47.89	0.03	0.0536	5.9555	0.0131	5.9555	0.2439	0.8462	0.0351	0.3055	0.0541	0.4713
114	48.07	0.03	0.0735	5.9555	0.0240	5.9555	0.3270	0.8340	0.0337	0.3004	0.0527	0.4761
115	48.26	0.03	0.0685	5.9555	0.0216	5.9555	0.3158	0.8195	0.0356	0.2954	0.0574	0.4687
116	48.44	0.03	0.0710	5.9555	0.0228	5.9555	0.3216	0.8190	0.0365	0.2889	0.0589	0.4667
117	48.55	0.03	0.0685	5.9555	0.0231	5.9555	0.3377	0.8220	0.0362	0.2912	0.0581	0.4681
118	48.76	0.04	0.0735	5.9555	0.0250	5.9555	0.3400	0.8369	0.0359	0.2940	0.0563	0.4625
119	48.96	0.04	0.0705	5.9555	0.0257	5.9555	0.3630	0.8455	0.0366	0.2965	0.0566	0.4593
120	49.14	0.04	0.0648	5.9555	0.0214	5.9555	0.3308	0.8446	0.0370	0.2968	0.0573	0.4604
121	49.31	0.02	0.0759	5.9555	0.0276	5.9555	0.3841	0.8501	0.0373	0.2968	0.0573	0.4596
122	49.49	0.03	0.0705	5.9555	0.0207	5.9555	0.3771	0.8457	0.0373	0.2964	0.0577	0.4621
123	49.69	0.01	0.0684	5.9555	0.0251	5.9555	0.3675	0.8391	0.0392	0.2988	0.0613	0.4675
124	49.86	0.02	0.0704	5.9555	0.0267	5.9555	0.3771	0.8447	0.0394	0.3013	0.0611	0.4673
125	50.02	0.01	0.0584	5.9555	0.0223	5.9999	0.3325	0.8493	0.0437	0.2996	0.0673	0.4614
126	50.21	0.05	0.0511	5.9555	0.0163	5.9555	0.3196	0.8283	0.0408	0.2924	0.0645	0.4653
127	50.40	0.02	0.0560	5.9555	0.0187	5.9555	0.3345	0.8335	0.0454	0.2932	0.0716	0.4628
128	50.56	0.04	0.0571	5.9555	0.0202	5.9555	0.3344	0.8642	0.0471	0.3064	0.0709	0.4643
129	50.73	-0.00	0.0620	5.9555	0.0225	5.9555	0.3635	0.8700	0.0474	0.3055	0.0707	0.4565
130	50.89	0.03	0.0520	5.9555	0.0176	5.9555	0.3436	0.8934	0.0478	0.3174	0.0689	0.4578
131	51.06	0.02	0.0634	5.9555	0.0142	5.9555	0.3279	0.8957	0.0455	0.3201	0.0651	0.4582
132	51.22	0.02	0.0635	5.9555	0.0165	5.9555	0.3537	0.7128	0.0426	0.3263	0.0657	0.4578
133	51.37	0.02	0.0671	5.9555	0.0130	5.9555	0.2766	0.7246	0.0432	0.3267	0.0656	0.4536
134	51.57	0.02	0.0515	5.9555	0.0166	5.9555	0.3243	0.8961	0.0488	0.3171	0.0657	0.4556
135	51.71	0.02	0.0421	5.9555	0.0111	5.9555	0.2643	0.7080	0.0408	0.3226	0.0676	0.4557
136	51.89	-0.01	0.0555	5.9555	0.0175	5.9555	0.3159	0.8803	0.0368	0.3137	0.0636	0.4570
137	52.06	0.00	0.0550	5.9555	0.0159	5.9999	0.3306	0.8672	0.0369	0.3063	0.0552	0.4550
138	52.22	0.02	0.0444	5.9555	0.0132	5.9555	0.2960	0.6712	0.0371	0.3061	0.0552	0.4560

PAGE 3 OF 3
SHEET 6 OF 6

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH RXIC-6				PHI	CONF	L	DECT	DEL2	CEL3	CEL4	TRANSITION	
7 140 1.00 1.7				0.0	0.10	0.15	0.0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
139	52.40	0.00	0.0530	5.5555	0.0163	5.5555	0.3331	0.6581	0.0355	0.3008	0.0539	0.4576
140	52.54	-0.01	0.0481	5.5555	0.0145	5.5555	0.3021	0.6435	0.0340	0.2933	0.0528	0.4557
141	52.70	0.01	0.0433	5.5555	0.0117	5.5555	0.2708	0.6534	0.0337	0.2570	0.0515	0.4545
142	52.84	0.01	0.0444	5.5555	0.0132	5.5555	0.2980	0.6341	0.0334	0.2415	0.0526	0.4597
143	53.06	-0.00	0.0553	5.5555	0.0154	5.5555	0.3514	0.6625	0.0331	0.2598	0.0455	0.4525
144	53.22	-0.02	0.0480	5.5555	0.0150	5.5555	0.3132	0.6790	0.0334	0.3062	0.0491	0.4509
145	53.38	-0.01	0.0452	5.5555	0.0131	5.5555	0.3033	0.6719	0.0336	0.3032	0.0455	0.4512
146	53.54	-0.01	0.0420	5.5555	0.0150	5.5555	0.3132	0.6605	0.0322	0.3022	0.0481	0.4520
147	53.70	-0.03	0.0444	5.5555	0.0142	5.5555	0.3205	0.6693	0.0320	0.3020	0.0477	0.4512
148	53.86	-0.00	0.0420	5.5555	0.0134	5.5555	0.2809	0.6797	0.0316	0.3059	0.0464	0.4500
149	54.01	0.00	0.0504	5.5555	0.0166	5.5555	0.3300	0.6661	0.0311	0.3007	0.0466	0.4514
150	54.17	-0.00	0.0442	5.5555	0.0155	5.5555	0.3157	0.6799	0.0310	0.3033	0.0455	0.4460
151	54.32	-0.01	0.0443	5.5555	0.0142	5.5555	0.3213	0.6831	0.0301	0.3044	0.0441	0.4458
152	54.47	-0.03	0.0405	5.5555	0.0134	5.5555	0.3309	0.6910	0.0297	0.3078	0.0430	0.4454
153	54.64	-0.01	0.0528	5.5555	0.0202	5.5555	0.3833	0.6955	0.0292	0.3091	0.0421	0.4444
154	54.80	-0.00	0.0444	5.5555	0.0142	5.5555	0.3205	0.6993	0.0287	0.3116	0.0411	0.4456
155	54.95	-0.02	0.0506	5.5555	0.0161	5.5555	0.3186	0.7076	0.0284	0.3142	0.0402	0.4435
156	55.10	-0.02	0.0355	5.5555	0.0114	5.5555	0.3013	0.7120	0.0272	0.3162	0.0383	0.4441
157	55.27	-0.03	0.0454	5.5555	0.0156	5.5555	0.3164	0.7149	0.0270	0.3200	0.0378	0.4476
158	55.40	-0.02	0.0457	5.5555	0.0138	5.5555	0.3020	0.7233	0.0265	0.3216	0.0373	0.4446
159	55.56	-0.02	0.0445	5.5555	0.0142	5.5555	0.3198	0.7169	0.0262	0.3215	0.0365	0.4472
160	55.72	-0.01	0.0462	5.5555	0.0160	5.5555	0.3320	0.7273	0.0260	0.3241	0.0358	0.4456
161	55.90	-0.01	0.0455	5.5555	0.0161	5.5555	0.3259	0.7273	0.0250	0.3256	0.0344	0.4480
162	56.04	-0.03	0.0507	5.5555	0.0167	5.5555	0.3300	0.7331	0.0247	0.3262	0.0337	0.4477
163	56.19	-0.05	0.0470	5.5555	0.0154	5.5555	0.3284	0.7333	0.0243	0.3257	0.0332	0.4456
164	56.34	-0.01	0.0463	5.5555	0.0155	5.5555	0.3216	0.7515	0.0257	0.3357	0.0343	0.4467
165	56.55	-0.04	0.0455	5.5555	0.0166	5.5555	0.3360	0.7639	0.0261	0.3408	0.0342	0.4461

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PACH RX10-6				PHI		CONF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7				147 1.10 1.7		C.C		BINUF15		C.C		J		-20		J		-20 UNKNOWN	
PCINT	ALPHA	BETA	LN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP								
1	-5.78	0.01	-2.2356	8.1221	0.0067	-0.0203	0.0025	1.0047	0.2836	0.7960	-3.6266								
2	-5.78	0.01	-2.1567	8.0627	0.0176	-0.0302	-0.0027	1.0033	0.2878	0.7954	-3.6763								
3	-5.73	0.00	-2.1546	8.0870	-0.0070	0.0072	0.0024	1.0004	0.2876	0.8025	-3.6645								
4	-5.18	0.01	-1.9864	7.8014	0.0325	-0.0159	0.0030	1.0016	0.2868	0.7748	-3.8571								
5	-3.30	0.01	-1.7554	7.1431	0.0488	-0.0766	0.0035	1.0254	0.2876	0.7416	-4.0559								
6	-1.30	0.01	-1.4735	6.4745	0.0404	-0.0330	0.0039	0.9822	0.2900	0.6923	-4.3941								
7	0.30	0.00	-1.2227	5.9205	-0.0405	-0.0334	0.0041	0.9488	0.2970	0.6518	-4.7605								
8	2.15	0.01	-0.9088	5.0525	0.0402	-0.0342	0.0047	0.9086	0.3052	0.6034	-5.6037								
9	3.97	-0.00	-0.6084	4.0333	-0.1031	0.0622	0.0049	0.8605	0.3120	0.5486	-7.1222								
10	5.84	0.01	-0.2413	3.5650	0.0067	-0.0129	0.0057	0.7995	0.3148	0.4848	-14.7727								
11	7.75	0.01	0.0246	2.8798	0.0043	-0.0490	0.0115	0.7456	0.3123	0.4373	117.0020								
12	9.57	-0.00	0.3554	2.1851	-0.1111	0.1254	0.0118	0.7153	0.3238	0.3915	6.0843								
13	11.52	0.02	0.7254	1.5116	0.0862	-0.0216	0.0128	0.6892	0.3335	0.3358	2.0710								
14	12.98	0.01	1.0018	1.1058	0.0675	0.0632	0.0133	0.6473	0.3416	0.3058	1.1038								
15	14.94	0.01	1.3221	0.8128	-0.0098	0.1165	0.0140	0.6106	0.3507	0.2599	0.4635								
16	16.95	0.00	1.7055	0.6176	-0.0615	0.2799	0.0201	0.5613	0.3551	0.2062	0.1100								
17	18.84	-0.01	2.0216	-0.1575	-0.1135	0.3201	0.0156	0.5204	0.3573	0.1631	-0.0779								
18	20.55	-0.01	2.4725	-0.4383	-0.1546	0.3405	0.0002	0.4701	0.3535	0.1167	-0.1773								
19	22.61	-0.00	2.9451	-0.8445	-0.1875	0.3635	-0.0191	0.4014	0.3364	0.0850	-0.2208								
20	24.01	-0.02	3.8008	-1.0450	-0.3565	0.0365	-0.0395	0.3512	0.3284	0.0228	-0.2225								
21	26.66	0.04	4.5054	-0.9044	0.4348	-0.6305	0.0543	0.3005	0.3249	-0.0244	-0.2007								
22	28.11	0.04	4.9477	-0.6554	0.3808	-0.7796	0.0613	0.2648	0.3253	-0.0804	-0.1931								
23	28.22	0.04	4.9845	-1.0005	0.3851	-0.7174	0.0560	0.2602	0.3219	-0.0816	-0.2005								
24	28.60	0.04	5.0627	-0.6528	0.3321	-0.4578	0.0507	0.2669	0.3204	-0.0534	-0.1875								
25	28.92	0.02	5.1656	-0.5916	0.1331	-0.1572	0.0398	0.2614	0.3211	-0.0596	-0.1918								
26	29.19	0.04	5.2076	-1.0534	0.3104	-0.3605	0.0459	0.2405	0.3195	-0.0729	-0.1992								
27	29.52	0.06	5.5180	-1.1848	0.0184	-1.3630	0.1022	0.2381	0.3216	-0.0834	-0.2147								
28	29.81	0.06	5.5533	-1.3162	0.1002	-1.4007	0.1100	0.2240	0.3194	-0.0950	-0.2370								
29	30.05	0.07	5.6220	-1.2652	0.1262	-1.4736	0.1028	0.2243	0.3243	-0.1000	-0.2293								
30	30.37	0.07	5.6111	-1.4370	0.1538	-1.5002	0.1304	0.1998	0.3244	-0.1246	-0.2473								
31	30.64	0.04	5.5488	-1.3535	0.4022	-0.7521	0.1105	0.2011	0.3285	-0.1234	-0.2679								
32	30.55	0.06	6.1741	-1.7303	0.0601	-0.5898	0.1415	0.1842	0.3302	-0.1400	-0.2802								
33	31.20	0.04	6.6034	-1.7222	0.3140	-0.2933	0.1028	0.1817	0.3341	-0.1524	-0.2776								
34	31.48	0.04	6.6751	-1.7002	0.4140	-0.3401	0.0808	0.1942	0.3327	-0.1385	-0.2813								
35	31.77	0.03	6.5068	-1.2652	0.3413	-0.3548	0.1148	0.1590	0.3299	-0.1709	-0.2867								
36	32.04	0.03	6.5653	-1.0723	0.3121	-0.3111	0.1096	0.1612	0.3313	-0.1701	-0.2843								
37	32.31	0.03	6.5558	-1.8154	0.3173	-0.5408	0.0884	0.1890	0.3302	-0.1412	-0.2757								
38	32.58	0.04	6.6329	-2.0630	0.4491	-0.3235	0.1048	0.1888	0.3334	-0.1640	-0.2949								
39	32.84	0.03	6.6526	-2.0015	0.2613	-0.2526	0.0996	0.1645	0.3312	-0.1667	-0.2921								
40	33.11	0.01	7.0345	-2.0635	0.1710	-0.3105	0.1111	0.1546	0.3324	-0.1778	-0.2934								
41	33.37	0.04	7.1421	-2.3175	0.3894	-0.3743	0.1224	0.1464	0.3337	-0.1873	-0.3222								
42	33.62	0.04	7.2074	-2.4166	0.3404	-0.2674	0.1116	0.1394	0.3386	-0.1952	-0.3316								
43	33.87	0.01	7.3415	-2.3545	0.1903	-0.0130	0.1057	0.1433	0.3362	-0.1929	-0.3208								
44	34.13	0.02	7.4202	-2.4054	0.2522	-0.1384	0.1117	0.1536	0.3387	-0.1851	-0.3242								
45	34.39	0.03	7.6276	-2.6543	0.4111	-0.3856	0.1453	0.1417	0.3418	-0.2001	-0.3475								
46	34.63	0.03	7.7524	-2.7045	0.3925	-0.3008	0.1453	0.1512	0.3540	-0.2028	-0.3550								

PAGE 1 OF 3
SHEET 2 OF 4

MANTIA MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	RATIO	PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
1	147	1.10	1.7	C.0	810CF15	C.0	0	-20	0	-20	UNKNOWN
PCINT	ALPHA	BETA	CN	CLM	CV	CLA	CLL	CA	CAE	CAF	XCP
47	34.88	0.03	7.7632	-2.7302	0.3545	-0.2446	0.1342	0.1397	0.3463	-0.2066	-0.3517
48	35.14	0.02	7.8558	-2.7525	0.2461	0.0274	0.1177	0.1246	0.3477	-0.2231	-0.3537
49	35.36	0.03	8.0038	-2.8746	0.2364	0.0106	0.1074	0.1194	0.3505	-0.2311	-0.3552
50	35.54	0.03	8.1038	-3.1368	0.3736	-0.2064	0.1614	0.1433	0.3561	-0.2148	-0.3871
51	35.85	0.02	8.2122	-3.0230	0.2352	0.0648	0.1254	0.1231	0.3542	-0.2311	-0.3681
52	36.09	0.02	8.3108	-3.0722	0.1543	0.1798	0.1186	0.1191	0.3534	-0.2348	-0.3647
53	36.32	0.02	8.5075	-3.2648	0.2718	0.0338	0.1411	0.1136	0.3608	-0.2472	-0.3837
54	36.57	0.01	8.6124	-3.3566	0.1107	0.2236	0.1405	0.0432	0.3543	-0.2610	-0.3944
55	36.81	0.01	8.7237	-3.4438	0.1388	0.3320	0.1355	0.1000	0.3588	-0.2588	-0.3948
56	37.03	0.03	8.7838	-3.4563	0.2516	-0.0138	0.1365	0.0918	0.3525	-0.2606	-0.3935
57	37.29	0.03	8.8717	-3.6545	0.3155	0.1123	0.1576	0.0951	0.3558	-0.2807	-0.4164
58	37.52	0.01	9.0115	-3.5857	0.1137	0.0583	0.1159	0.0700	0.3494	-0.2733	-0.3983
59	37.76	0.02	9.0502	-3.6550	0.1777	0.2083	0.1368	0.1098	0.3563	-0.2467	-0.4087
60	38.01	0.02	9.1044	-3.7344	0.1472	0.1432	0.1350	0.0849	0.3525	-0.2675	-0.4104
61	38.24	0.02	9.2255	-3.7941	0.1570	0.2472	0.1318	0.0824	0.3488	-0.2663	-0.4168
62	38.48	0.01	9.3624	-3.8656	0.0693	0.2537	0.1163	0.0556	0.3407	-0.2850	-0.4226
63	38.72	0.00	9.4620	-4.1430	0.0372	0.3503	0.1215	0.0676	0.3478	-0.2815	-0.4379
64	38.95	0.01	9.5662	-4.0455	0.1428	0.2460	0.0900	0.0397	0.3414	-0.3017	-0.4227
65	39.15	-0.01	9.6022	-4.2014	0.1717	0.3760	0.1003	0.0458	0.3390	-0.2934	-0.4375
66	39.40	0.02	9.7773	-4.3235	0.2156	0.3691	0.1067	0.0284	0.3389	-0.3105	-0.4422
67	39.63	-0.02	9.8313	-4.2564	-0.0415	0.3657	0.0968	0.0405	0.3358	-0.2953	-0.4370
68	39.85	-0.01	9.9459	-4.4213	-0.1406	0.4852	0.0984	0.0245	0.3408	-0.3163	-0.4463
69	40.08	0.00	9.9719	-4.3768	0.1235	0.0568	0.0552	0.0127	0.3311	-0.3184	-0.4389
70	40.29	-0.03	10.0386	-4.3751	-0.0631	0.2243	0.0603	-0.0038	0.3283	-0.3321	-0.4358
71	40.48	-0.01	10.1845	-4.6751	-0.0648	0.6468	0.0966	0.0112	0.3311	-0.3199	-0.4390
72	40.69	-0.04	10.2656	-4.7523	-0.1883	0.8285	0.0964	-0.0054	0.3342	-0.3396	-0.4628
73	40.90	0.00	10.2710	-4.6555	0.0810	0.3373	0.0818	0.0113	0.3204	-0.3091	-0.4537
74	41.13	-0.02	10.3650	-4.8659	-0.1652	0.4875	0.0765	-0.0096	0.3179	-0.3275	-0.4528
75	41.34	-0.02	10.5846	-4.9402	-0.0155	0.5662	0.0713	-0.0295	0.3235	-0.3530	-0.4667
76	41.54	-0.03	10.5747	-4.8241	-0.0361	0.2375	0.0506	-0.0060	0.3145	-0.3711	-0.4562
77	41.74	-0.03	10.6342	-4.9758	-0.1074	0.6486	0.0713	-0.0371	0.3204	-0.3575	-0.4679
78	41.95	-0.03	10.7646	-5.1314	-0.1642	0.8744	0.0656	-0.0007	0.3246	-0.3553	-0.4758
79	42.15	-0.04	10.8972	-5.3653	-0.1675	0.5531	0.0513	-0.0688	0.3231	-0.3915	-0.4652
80	42.34	-0.04	10.9376	-5.1235	-0.2416	0.6791	0.0504	-0.0773	0.3165	-0.3958	-0.4687
81	42.53	-0.02	11.1023	-5.2618	-0.1101	1.0354	0.0445	-0.0630	0.3259	-0.3889	-0.4757
82	42.72	-0.04	11.1366	-5.3062	-0.1011	0.8507	0.0401	-0.0674	0.3116	-0.3990	-0.4762
83	42.91	-0.02	11.1844	-5.2308	-0.0262	0.4401	0.0417	-0.0714	0.3212	-0.3926	-0.4885
84	43.08	-0.05	11.2513	-5.3115	-0.3606	1.3004	0.0339	-0.0605	0.3153	-0.3958	-0.4721
85	43.25	-0.03	11.2569	-5.2543	-0.1290	0.8817	0.0409	-0.0518	0.3157	-0.4075	-0.4687
86	43.44	-0.04	11.4156	-5.2156	-0.2736	1.4014	0.0230	-0.0756	0.3077	-0.3833	-0.4833
87	43.64	-0.03	11.4430	-5.4045	-0.1624	1.1252	0.0362	-0.0893	0.3019	-0.3912	-0.4703
88	43.81	-0.04	11.4623	-5.3384	-0.2743	1.1637	0.0242	-0.1002	0.3057	-0.4058	-0.4656
89	43.98	-0.05	11.6550	-5.4524	-0.2637	0.4530	0.0329	-0.1323	0.2947	-0.4269	-0.4712
90	44.18	-0.04	11.7421	-5.5667	-0.3112	1.1134	0.0339	-0.1247	0.2906	-0.4152	-0.4736
91	44.35	-0.05	11.7526	-5.5856	-0.4175	1.7135	-0.0249	-0.0960	0.3059	-0.4019	-0.4717
92	44.54	-0.04	11.8214	-5.5011	-0.1252	0.4233	0.0227	-0.1232	0.2920	-0.4151	-0.4654

PAGE 1 OF 3
SHEET 3 OF 4

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART WACH EXIC-6			PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1 147 1.10 1.7			C.C	BLNCF15	C.C	0	-20	0	-20	UNKNOWN	
PLINT	ALPHA	BETA	CN	CLM	CY	LLN	CLL	CA	CAB	CAF	XCP
93	44.72	-0.04	11.8136	-5.54155	-0.0263	-0.0562	-0.0403	-0.1362	0.2636	-0.4218	-0.4584
94	44.90	-0.04	11.8547	-5.54436	-0.2271	0.9581	-0.0111	-0.1071	0.2856	-0.3927	-0.4660
95	45.09	-0.03	11.9943	-5.5548	-0.0104	0.0225	0.0354	-0.1590	0.2816	-0.4408	-0.4630
96	45.27	-0.04	12.0411	-5.55450	-0.1527	0.1471	0.0353	-0.1625	0.2773	-0.4390	-0.4606
97	45.45	-0.02	12.1068	-5.5580	-0.0178	0.0514	-0.0011	-0.1305	0.2836	-0.4141	-0.4616
98	45.64	-0.03	12.1517	-5.5582	-0.1813	0.9731	-0.0101	-0.1409	0.2816	-0.4245	-0.4508
99	45.81	-0.04	12.2064	-5.5622	-0.1022	0.9572	-0.0313	-0.1133	0.2836	-0.3569	-0.4286
100	45.98	-0.04	12.2616	-5.5667	-0.1122	0.9855	-0.0208	-0.1406	0.2846	-0.4252	-0.4316
101	46.16	-0.06	12.3313	-5.5652	-0.2505	1.2767	-0.0534	-0.1266	0.2818	-0.4084	-0.4351
102	46.34	-0.07	12.3771	-5.5656	-0.4075	1.2155	-0.0417	-0.1257	0.2836	-0.4093	-0.4199
103	46.51	-0.05	12.3350	-5.5657	-0.2172	1.1535	-0.0655	-0.1058	0.2826	-0.3924	-0.4157
104	46.68	-0.06	12.4310	-5.5685	-0.2850	1.1908	-0.0628	-0.1007	0.2863	-0.3890	-0.3973
105	46.86	-0.06	12.3772	-5.5681	-0.3081	1.3836	-0.0745	-0.0864	0.2943	-0.3767	-0.3853
106	47.04	-0.04	12.4041	-5.5694	-0.1201	1.0346	-0.0945	-0.0897	0.2937	-0.3834	-0.3796
107	47.19	-0.05	12.4523	-5.5747	-0.1502	1.0041	-0.0781	-0.0890	0.2929	-0.3819	-0.3800
108	47.37	-0.04	12.5005	-5.5716	-0.1371	0.9365	-0.0723	-0.0930	0.2933	-0.3863	-0.3794
109	47.55	-0.05	12.7663	-5.5611	-0.1701	0.7451	-0.0441	-0.0837	0.3030	-0.3667	-0.3917
110	47.74	-0.05	12.9002	-5.5647	-0.1317	0.8028	-0.0379	-0.0555	0.3104	-0.3724	-0.4058
111	47.89	-0.04	12.8773	-5.5656	-0.0862	0.5587	-0.0380	-0.0565	0.3144	-0.3709	-0.4030
112	48.06	-0.02	13.0755	-5.5685	-0.1916	0.2662	0.0066	-0.0804	0.3435	-0.3519	-0.4212
113	48.25	-0.04	13.0561	-5.5625	-0.0554	0.3171	0.0226	-0.0161	0.3500	-0.3721	-0.4184
114	48.41	-0.04	13.0886	-5.5651	-0.0744	0.3519	0.0497	-0.0060	0.3577	-0.3637	-0.4064
115	48.59	-0.03	13.0935	-5.5616	-0.0646	0.3657	0.0714	0.0146	0.3609	-0.3663	-0.3996
116	48.75	-0.03	13.1659	-5.5613	-0.0385	0.4151	0.0676	0.0030	0.3623	-0.3623	-0.3889
117	48.93	-0.01	13.1416	-5.5053	0.1263	0.5252	0.0779	0.0178	0.3692	-0.3514	-0.3812
118	49.11	-0.03	13.1857	-5.50330	0.0389	0.6213	0.0981	0.0391	0.3692	-0.3301	-0.3665
119	49.27	-0.03	13.2100	-5.5614	0.0777	0.7003	0.0980	0.0494	0.3696	-0.3202	-0.3455
120	49.45	-0.02	13.3150	-5.5754	0.1684	0.8553	0.0760	0.0252	0.3714	-0.3482	-0.3439
121	49.61	-0.01	13.2459	-5.5346	0.2008	0.8555	0.0558	0.0406	0.3713	-0.3307	-0.3347
122	49.82	-0.02	13.3565	-5.5554	0.1725	0.7671	0.0604	0.0333	0.3761	-0.3368	-0.3340
123	49.97	-0.01	13.3124	-5.5541	0.1377	0.7611	0.0604	0.0461	0.3772	-0.3291	-0.3346
124	50.13	-0.00	13.4243	-5.5403	0.2425	0.8081	0.0351	0.0474	0.3829	-0.3355	-0.3280
125	50.31	-0.00	13.3457	-5.5632	0.2254	0.9543	0.0594	0.0519	0.3854	-0.3335	-0.3059
126	50.50	0.00	13.4655	-5.5053	0.2981	0.8621	0.0499	0.0703	0.3971	-0.3268	-0.2997
127	50.64	-0.00	13.3104	-5.5166	0.1544	1.2032	0.0595	0.0810	0.4027	-0.3217	-0.2642
128	50.81	0.01	13.3554	-5.5666	0.2773	1.0302	0.0493	0.0861	0.4066	-0.3105	-0.2732
129	50.97	0.01	13.3358	-5.5152	0.2724	1.1521	0.0490	0.0589	0.3989	-0.3400	-0.2485
130	51.17	0.02	13.6067	-5.5034	0.3702	1.0421	0.0501	0.0729	0.4055	-0.3326	-0.2575
131	51.31	-0.00	13.4562	-5.53305	0.2162	1.1886	0.0457	0.0671	0.4032	-0.3411	-0.2468
132	51.48	0.01	13.6151	-5.52505	0.2080	1.2262	0.0553	0.0541	0.4065	-0.3522	-0.2422
133	51.60	0.01	13.7250	-5.5260	0.2251	1.1863	0.0503	0.0629	0.4081	-0.3452	-0.2496
134	51.82	0.03	13.6321	-5.53755	0.3084	1.1548	0.0507	0.0489	0.4059	-0.3570	-0.2479
135	51.97	0.03	13.6548	-5.5065	0.4192	1.0810	0.0502	0.0524	0.4046	-0.3522	-0.2495
136	52.16	0.01	13.8264	-5.54127	0.3157	0.9131	0.0462	0.0494	0.4117	-0.3623	-0.2468
137	52.31	0.02	13.7622	-5.54612	0.3470	0.9953	0.0510	0.0511	0.4089	-0.3578	-0.2515
138	52.50	0.01	13.8863	-5.5546	0.3143	0.8877	0.0465	0.0525	0.4104	-0.3779	-0.2445

PAGE 1 OF 3
SHEET 4 OF 4

PARTIA MISSILE TAILS EFFECTS DATA

TEST PART	MACF	FXIC-E	PR	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	147	1.1L	1.7	0.0	0.15	0.0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CN	CLM	CY	CLA	CLL	CA	CAE	CAF	XCP
139	52.04	0.01	13.8513	-3.3323	0.3047	0.8345	0.0413	0.0363	0.4093	-0.3730	-0.2406

FACE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

POINT	TEST PART MACH AXIS-E			PHI		CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
	7	147	1.10	1.7	C.C	DEL1	C.C	J	-20	J	-20	J	-20	J	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	COL	ACFF1	YCPF1	CNF2	CH2	CB2	ACPF2	YCPF2					
1	-5.78	0.01	-0.0358	C.C	0.0144	0.0	-0.3816	-1.1503	-0.0066	-0.5551	0.0059	0.4825					
2	-5.78	0.01	-0.0322	C.CC11	0.0174	-0.0342	-0.5404	-1.1427	-0.0076	-0.5525	0.0061	0.4835					
3	-5.78	0.00	-0.0358	C.CC02	0.0145	-0.0050	-0.3843	-1.1503	-0.0070	-0.5541	0.0061	0.4817					
4	-5.18	0.01	-0.0410	C.C	0.0138	0.0	-0.3374	-1.0732	-0.0074	-0.5297	0.0088	0.4935					
5	-3.00	0.01	-0.0374	C.CC004	0.0128	-0.0107	-0.3422	-0.9704	-0.0061	-0.4925	0.0084	0.5079					
6	-1.50	0.01	-0.0345	-C.CC001	0.0120	0.0029	-0.3458	-0.8572	-0.0101	-0.4430	0.0119	0.5195					
7	0.30	0.00	-0.0323	-C.CC07	0.0102	0.0217	-0.3158	-0.7390	-0.0137	-0.3946	0.0186	0.5335					
8	2.15	0.01	-0.0255	-C.CC07	0.0095	0.0234	-0.3177	-0.6113	-0.0167	-0.3384	0.0274	0.5405					
9	3.47	-0.00	-0.0343	-C.CC13	0.0084	0.0375	-0.2449	-0.4694	-0.0171	-0.2755	0.0350	0.5638					
10	5.04	0.01	-0.0462	-C.CC16	0.0116	0.0412	-0.2386	-0.3889	-0.0155	-0.2086	0.0421	0.5854					
11	7.75	0.01	-0.0443	-C.CC21	0.0137	0.0475	-0.3100	-0.2546	-0.0112	-0.1589	0.0441	0.6162					
12	9.57	-0.00	-0.0467	-C.CC13	0.0145	0.0275	-0.3112	-0.1273	-0.0052	-0.1122	0.0409	0.6820					
13	11.52	0.02	-0.0000	-C.CC16	0.0145	0.0314	-0.2463	-0.0334	0.0031	-0.0628	-0.0529	1.8772					
14	12.58	0.01	-0.0054	-C.CC28	0.0173	0.0429	-0.2649	0.0239	0.0114	-0.0295	0.4772	-1.2510					
15	14.54	0.01	-0.0703	-C.CC24	0.0152	0.0342	-0.2735	0.0875	0.0225	-0.0014	0.2621	-0.0186					
16	16.45	0.00	-0.0770	-C.CC00	0.0200	0.0781	-0.2801	0.1000	0.0352	0.0319	0.2118	0.1924					
17	18.84	-0.01	-0.0075	-C.CC14	0.0174	0.1000	-0.1902	0.2254	0.0410	0.0588	0.1818	0.2808					
18	20.55	-0.01	-0.1320	-C.CC10	0.0086	0.0835	0.0653	0.2831	0.0491	0.0885	0.1704	0.3073					
19	22.61	-0.00	-0.1776	-C.CC47	-C.CC70	0.0265	0.2844	0.3583	0.0555	0.1234	0.1580	0.3442					
20	24.61	-0.00	-0.2228	-C.CC10	-C.CC28	0.0453	0.3470	0.4166	0.0603	0.1491	0.1447	0.3578					
21	26.66	0.04	0.1045	-C.CC55	0.0541	0.0549	0.3904	0.5245	0.0519	0.2040	0.0589	0.3888					
22	28.11	0.04	0.1012	-C.CC72	0.0521	0.0595	0.7597	0.5398	0.0518	0.2088	0.0559	0.3868					
23	28.22	0.04	0.1344	-C.CC07	0.0571	0.0545	0.7728	0.5573	0.0513	0.2173	0.0920	0.3855					
24	28.60	0.04	0.0740	0.0048	0.0703	0.0808	0.9764	0.5447	0.0526	0.2063	0.0505	0.3842					
25	28.92	0.04	0.0320	-C.CC24	0.0451	0.0750	1.5313	0.5484	0.0532	0.2111	0.0570	0.3845					
26	29.19	0.04	0.0758	-C.CC45	0.0741	0.0565	0.9285	0.5605	0.0517	0.2163	0.0922	0.3854					
27	29.52	0.06	0.2361	-C.CC54	0.1457	0.0395	0.6287	0.5512	0.0459	0.2306	0.0776	0.4002					
28	29.81	0.06	0.2334	-C.CC54	0.1450	0.0425	0.6418	0.5503	0.0453	0.2385	0.0759	0.3999					
29	30.09	0.07	0.2188	-C.CC54	0.1373	0.0450	0.6275	0.6004	0.0445	0.2428	0.0733	0.4004					
30	30.37	0.07	0.2015	-C.CC55	0.1030	0.0363	0.6246	0.6243	0.0427	0.2517	0.0684	0.4032					
31	30.66	0.04	0.1767	-C.CC30	0.1288	0.0168	0.7204	0.6327	0.0454	0.2551	0.0717	0.4032					
32	30.95	0.06	0.2252	-C.CC44	0.1351	0.0190	0.6388	0.6342	0.0434	0.2560	0.0684	0.4046					
33	31.20	0.04	0.1175	-C.CC10	0.0681	-0.0085	0.8319	0.6263	0.0464	0.2516	0.0741	0.4018					
34	31.40	0.04	0.1010	-C.CC15	0.0543	-0.0149	0.9336	0.6335	0.0458	0.2552	0.0722	0.4026					
35	31.77	0.03	0.1148	-C.CC23	0.1050	-0.0201	0.9146	0.6452	0.0458	0.2612	0.0706	0.4048					
36	32.04	0.03	0.1131	-C.CC17	0.0583	0.0062	0.8890	0.6528	0.0447	0.2653	0.0684	0.4064					
37	32.31	0.03	0.1040	-C.CC43	0.0580	0.0412	0.8911	0.6633	0.0440	0.2709	0.0663	0.4083					
38	32.58	0.04	0.0735	-C.CC07	0.0810	-0.0045	1.1022	0.6532	0.0451	0.2661	0.0650	0.4074					
39	32.84	0.03	0.0602	-C.CC17	0.0518	0.0212	1.0175	0.6771	0.0440	0.2776	0.0649	0.4100					
40	33.11	0.01	0.1315	-C.CC18	0.1072	0.0137	0.8157	0.6785	0.0429	0.2771	0.0632	0.4084					
41	33.37	0.04	0.1201	-C.CC33	0.1037	-0.0275	0.9050	0.6961	0.0434	0.2846	0.0623	0.4089					
42	33.62	0.04	0.1354	-C.CC05	0.1107	-0.0060	0.8150	0.7024	0.0430	0.2888	0.0612	0.4111					
43	33.87	0.01	0.1237	-C.CC22	0.1067	-0.0178	0.8632	0.7080	0.0431	0.2926	0.0608	0.4132					
44	34.13	0.02	0.1015	-C.CC13	0.0536	-0.0128	0.9185	0.7146	0.0440	0.2935	0.0615	0.4112					
45	34.39	0.03	0.1067	-C.CC17	0.1305	-0.0102	0.7826	0.7146	0.0437	0.2945	0.0611	0.4126					
46	34.65	0.03	0.1467	-C.CC26	0.1100	-0.0175	0.7939	0.7258	0.0443	0.3005	0.0610	0.4137					

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			FACE		AXIS		PHI		CONF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7			147		1.0C 1.7				C.C. 810CF15		C.C.		0		-20		0		-20		UNKNOWN	
PCINT	ALPHA	BETA	CNF1	CH1	CH2	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2										
47	34.68	0.03	0.0839	0.0034	0.0898	0.0406	0.0706	0.0304	0.0448	0.0033	0.0613	0.4152										
48	35.14	0.02	0.1467	0.0015	0.1145	0.0101	0.0704	0.0305	0.0441	0.0033	0.0603	0.4152										
49	35.36	0.03	0.1062	0.0030	0.0556	0.0283	0.0301	0.0331	0.0440	0.0040	0.0600	0.4146										
50	35.59	0.03	0.1453	0.0010	0.1191	0.0067	0.0781	0.0371	0.0420	0.0047	0.0569	0.4133										
51	35.85	0.02	0.1157	0.0021	0.1017	0.0162	0.0769	0.0306	0.0426	0.0027	0.0583	0.4142										
52	36.09	0.02	0.0757	0.0015	0.0799	0.0190	0.0590	0.0220	0.0423	0.0120	0.0562	0.4146										
53	36.32	0.02	0.1257	0.0005	0.1036	0.0072	0.0247	0.0745	0.0391	0.0094	0.0523	0.4139										
54	36.57	0.01	0.1066	0.0004	0.0572	0.0064	0.0100	0.0639	0.0384	0.0152	0.0502	0.4126										
55	36.81	0.01	0.0821	0.0004	0.0828	0.0049	0.0365	0.0615	0.0375	0.0150	0.0492	0.4136										
56	37.03	0.03	0.0971	0.0024	0.0884	0.0248	0.0103	0.0703	0.0351	0.0229	0.0449	0.4138										
57	37.29	0.03	0.1579	0.0006	0.1155	0.0361	0.0733	0.0706	0.0337	0.0219	0.0431	0.4124										
58	37.52	0.01	0.0747	0.0034	0.0740	0.0090	0.0930	0.0006	0.0334	0.0300	0.0417	0.4122										
59	37.76	0.02	0.0760	0.0034	0.0753	0.0037	0.0953	0.0043	0.0333	0.0318	0.0413	0.4125										
60	38.01	0.02	0.0655	0.0044	0.0634	0.0073	0.0979	0.0131	0.0328	0.0345	0.0403	0.4114										
61	38.24	0.02	0.1130	0.0004	0.0502	0.0563	0.0924	0.0045	0.0326	0.0303	0.0403	0.4106										
62	38.48	0.01	0.0924	0.0059	0.0776	0.0039	0.0937	0.0104	0.0320	0.0359	0.0398	0.4103										
63	38.72	0.00	0.1044	0.0080	0.0836	0.0753	0.0764	0.0156	0.0324	0.0337	0.0397	0.4091										
64	38.95	0.01	0.0542	0.0040	0.0333	0.0740	0.0934	0.0301	0.0330	0.0346	0.0393	0.4100										
65	39.15	0.01	0.0657	0.0002	0.0601	0.0545	0.0916	0.0346	0.0332	0.0320	0.0397	0.4098										
66	39.40	0.02	0.0716	0.0006	0.0648	0.0547	0.0911	0.0272	0.0334	0.0364	0.0403	0.4067										
67	39.63	0.02	0.0460	0.0057	0.0470	0.1226	0.0256	0.0597	0.0330	0.0306	0.0383	0.4079										
68	39.85	0.01	0.0573	0.0056	0.0337	0.0979	0.0971	0.0559	0.0332	0.0384	0.0388	0.4080										
69	40.08	0.00	0.0367	0.0049	0.0305	0.1267	0.0432	0.0827	0.0323	0.0302	0.0365	0.4081										
70	40.29	0.03	0.0443	0.0004	0.0373	0.1449	0.0439	0.0964	0.0323	0.0366	0.0360	0.4092										
71	40.48	0.01	0.0358	0.0000	0.0458	0.1508	0.0432	0.0738	0.0344	0.0346	0.0393	0.4055										
72	40.69	0.02	0.0330	0.0003	0.0395	0.1870	0.0430	0.0720	0.0340	0.0330	0.0398	0.4046										
73	40.90	0.00	0.0260	0.0050	0.0371	0.1924	0.0426	0.0663	0.0345	0.0351	0.0385	0.4061										
74	41.13	0.02	0.0286	0.0050	0.0340	0.1954	0.0408	0.0612	0.0344	0.0363	0.0377	0.4052										
75	41.34	0.02	0.0009	0.0020	0.0242	0.2800	0.0437	0.0537	0.0357	0.0361	0.0397	0.4020										
76	41.54	0.03	0.0104	0.0031	0.0234	0.2402	0.0420	0.0520	0.0349	0.0373	0.0376	0.4032										
77	41.74	0.03	0.0040	0.0023	0.0218	0.2572	0.0400	0.0526	0.0362	0.0374	0.0391	0.4010										
78	41.95	0.03	0.0021	0.0024	0.0103	0.2558	0.0405	0.0510	0.0364	0.0360	0.0396	0.4017										
79	42.15	0.04	0.0231	0.0004	0.0004	0.0112	0.0173	0.0448	0.0355	0.0368	0.0393	0.3995										
80	42.34	0.04	0.0004	0.0015	0.0006	0.0320	0.0103	0.0315	0.0363	0.0324	0.0411	0.3997										
81	42.53	0.02	0.0461	0.0036	0.0035	0.0783	0.0348	0.0541	0.0374	0.0327	0.0392	0.4011										
82	42.72	0.04	0.0449	0.0031	0.0031	0.0692	0.0392	0.0506	0.0370	0.0324	0.0395	0.4003										
83	42.91	0.02	0.0665	0.0031	0.0051	0.0464	0.0383	0.0573	0.0388	0.0308	0.0403	0.3978										
84	43.08	0.05	0.0420	0.0003	0.0100	0.0601	0.0190	0.0540	0.0398	0.0311	0.0417	0.3992										
85	43.25	0.03	0.0732	0.0001	0.0001	0.0835	0.0108	0.0722	0.0391	0.0387	0.0402	0.3981										
86	43.44	0.04	0.1171	0.0007	0.0074	0.0605	0.0207	0.0610	0.0424	0.0309	0.0440	0.3960										
87	43.64	0.03	0.1032	0.0000	0.0332	0.0562	0.0314	0.0721	0.0410	0.0382	0.0421	0.3942										
88	43.81	0.04	0.1110	0.0000	0.0306	0.0605	0.0200	0.0757	0.0411	0.0358	0.0421	0.3954										
89	43.98	0.05	0.0367	0.0028	0.0011	0.0763	0.0300	0.0718	0.0379	0.0407	0.0371	0.3970										
90	44.18	0.04	0.1759	0.0012	0.0049	0.0713	0.0304	0.0708	0.0424	0.0346	0.0438	0.3932										
91	44.35	0.05	0.1695	0.0011	0.0067	0.0798	0.0324	0.0662	0.0436	0.0388	0.0442	0.3933										
92	44.54	0.04	0.0371	0.0013	0.0013	0.0598	0.0345	0.0318	0.0397	0.0407	0.0436	0.3932										

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACT RAIO-6				PHI	CNCF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 147 1.10 1.7				C.C B10CF15		J.0	J	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNFI	CHI	COL	ACPF1	YCPF1	CNF2	CH2	CB2	ACPF2	YCPF2
93	45.72	-0.04	-0.0247	C.0	-0.0047	0.0	-0.1903	1.0318	0.0431	0.4062	0.0388	0.3537
94	45.60	-0.04	-0.1754	-0.0152	-0.0001	0.0644	0.3717	0.9963	0.0443	0.3885	0.0444	0.3899
95	45.04	-0.03	0.0046	0.0018	0.0145	0.1876	1.5104	1.0444	0.0396	0.4087	0.0381	0.3513
96	45.27	-0.04	0.0030	0.0011	0.0100	0.1465	1.7357	1.0543	0.0436	0.4110	0.0385	0.3504
97	45.43	-0.02	-0.1323	-0.0131	-0.0487	0.0692	0.3679	1.0268	0.0449	0.3697	0.0436	0.3885
98	45.64	-0.03	-0.1495	-0.0134	-0.0551	0.0925	0.3674	1.0224	0.0462	0.3607	0.0452	0.3880
99	45.21	-0.04	-0.1124	-0.0114	-0.0425	0.1010	0.3811	1.0173	0.0476	0.3514	0.0468	0.3847
100	45.40	-0.04	-0.1347	-0.0120	-0.0488	0.0893	0.3621	1.0122	0.0483	0.3890	0.0477	0.3843
101	45.16	-0.06	-0.1456	-0.0155	-0.0508	0.1094	0.4175	1.0210	0.0483	0.3522	0.0473	0.3841
102	46.34	-0.07	-0.1476	-0.0242	-0.0626	0.1440	0.3740	1.0047	0.0485	0.3829	0.0486	0.3811
103	46.51	-0.05	-0.1400	-0.0206	-0.0525	0.1302	0.3905	1.0067	0.0493	0.3656	0.0490	0.3832
104	46.67	-0.06	-0.1587	-0.0272	-0.0600	0.1717	0.3703	0.9896	0.0475	0.3719	0.0484	0.3758
105	46.86	-0.06	-0.1542	-0.0237	-0.0508	0.1560	0.3742	1.0056	0.0480	0.3781	0.0478	0.3763
106	47.04	-0.04	-0.1443	-0.0242	-0.0554	0.1599	0.3705	1.0024	0.0461	0.3758	0.0460	0.3748
107	47.19	-0.05	-0.1373	-0.0245	-0.0535	0.2153	0.3895	0.9971	0.0437	0.3719	0.0437	0.3722
108	47.37	-0.04	-0.1156	-0.0258	-0.0488	0.2471	0.3901	1.0005	0.0404	0.3689	0.0403	0.3687
109	47.55	-0.05	-0.0664	-0.0334	-0.0530	1.2608	0.1894	0.9962	0.0224	0.3557	0.0230	0.3674
110	47.74	-0.05	-0.0630	-0.0351	-0.0627	1.06713	-0.0900	1.0036	0.0192	0.3625	0.0192	0.3616
111	47.89	-0.04	-0.0140	-0.0328	-0.0530	2.3366	0.2143	0.9972	0.0212	0.3590	0.0213	0.3600
112	48.08	-0.02	0.0030	-0.0260	0.0256	-0.0230	0.4022	0.9969	0.0122	0.3562	0.0125	0.3576
113	48.25	-0.04	0.0002	-0.0250	0.0205	-0.0461	0.4039	0.9938	0.0124	0.3540	0.0129	0.3565
114	48.41	-0.04	0.0054	-0.0116	0.0373	-0.1360	0.4373	0.8936	0.0134	0.3131	0.0150	0.3504
115	48.56	-0.03	0.0562	-0.0063	0.0443	-0.0238	0.4400	0.8902	0.0130	0.3133	0.0145	0.3498
116	48.75	-0.03	0.0450	-0.0033	0.0455	-0.0331	0.4554	0.8811	0.0139	0.3071	0.0158	0.3485
117	48.93	-0.01	0.0810	-0.0020	0.0348	0.0247	0.4332	0.8371	0.0154	0.2870	0.0164	0.3428
118	49.11	-0.03	0.0567	0.0048	0.0338	0.0848	0.4205	0.8081	0.0173	0.2736	0.0214	0.3386
119	49.27	-0.03	0.0438	0.0050	0.0361	0.1145	0.3684	0.7954	0.0179	0.2710	0.0225	0.3408
120	49.45	-0.02	0.0043	0.0025	0.0000	0.5816	0.1860	0.7701	0.0158	0.2580	0.0258	0.3350
121	49.61	-0.01	0.0153	0.0043	0.0037	0.2812	0.2618	0.7901	0.0157	0.2692	0.0250	0.3408
122	49.82	-0.02	0.0010	0.0028	-0.0010	2.8011	-1.0000	0.7928	0.0188	0.2699	0.0238	0.3405
123	49.97	-0.01	0.0055	0.0023	0.0023	0.2324	0.2323	0.7928	0.0137	0.2685	0.0236	0.3392
124	50.13	-0.00	-0.0064	0.0007	-0.0050	-0.1094	0.7813	0.7812	0.0191	0.2641	0.0245	0.3381
125	50.31	-0.00	-0.0118	-0.0017	-0.0054	0.1441	0.5000	0.7583	0.0204	0.2553	0.0265	0.3367
126	50.50	-0.00	-0.0131	-0.0013	-0.0055	0.0993	0.4198	0.7115	0.0197	0.2625	0.0256	0.3403
127	50.64	-0.00	-0.0118	-0.0017	-0.0057	0.0888	0.3765	0.7089	0.0238	0.2356	0.0336	0.3323
128	50.81	0.01	-0.0070	-0.0020	-0.0052	0.0942	0.3333	0.7322	0.0225	0.2461	0.0308	0.3361
129	50.97	0.01	-0.0445	-0.0025	-0.0135	0.0563	0.3131	0.7225	0.0240	0.2430	0.0333	0.3363
130	51.17	0.02	-0.0275	-0.0025	-0.0060	0.0896	0.2437	0.7494	0.0240	0.2529	0.0256	0.3402
131	51.31	-0.00	-0.0366	-0.0031	-0.0056	0.0843	0.2663	0.7263	0.0227	0.2456	0.0313	0.3382
132	51.48	0.01	-0.0425	-0.0038	-0.0114	0.0897	0.2609	0.7297	0.0232	0.2471	0.0318	0.3386
133	51.66	0.01	-0.0355	-0.0028	-0.0081	0.0780	0.2250	0.7430	0.0226	0.2524	0.0305	0.3357
134	51.82	0.03	-0.0362	-0.0042	-0.0087	0.1072	0.2219	0.7341	0.0228	0.2482	0.0311	0.3381
135	51.97	0.03	-0.0373	-0.0036	-0.0065	0.0968	0.1850	0.7395	0.0227	0.2455	0.0307	0.3374
136	52.16	0.01	-0.0273	-0.0031	-0.0033	0.1136	0.1209	0.7529	0.0223	0.2538	0.0297	0.3371
137	52.31	0.02	-0.0315	-0.0032	-0.0036	0.1004	0.1191	0.7535	0.0217	0.2555	0.0288	0.3351
138	52.50	0.01	-0.0266	-0.0021	-0.0000	0.0796	0.0226	0.7703	0.0217	0.2625	0.0282	0.3413

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	KVIC-0	PHI	CNCF	L	CEL1	CEL2	CEL3	CEL4	TRANSITION
7	1.47	1.10	1.7	C.G. B100F15	0.0	0	-20	0	-20	UNKNOWN

PCENT	ALPHA	DETA	CNF1	CN1	C81	XCPF1	YCPF1	CNF2	CN2	C82	XCPF2	YCPF2
139	52.56	0.01	0.00266	0.00023	0.0006	0.0005	0.0026	0.0009	0.0015	0.0017	0.00283	0.00387

PAGE 3 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RAIS-E			PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	147	1.1C	1.7	C.C	0.0	0	-20	0	-20	UNKNOWN		
PCINT	ALPHA	BETA	CNF3	CM3	CB3	XCFF3	YCFF3	CNF4	CM4	CB4	XCFF4	YCFF4
1	-5.78	0.01	0.0570	5.5555	0.0082	5.5555	0.1441	-1.2278	-0.0130	-0.5201	0.0106	0.4302
2	-5.78	0.01	0.0554	5.5555	0.0075	5.5555	0.1332	-1.2204	-0.0113	-0.5205	0.0105	0.4310
3	-5.78	0.00	0.0550	5.5555	0.0074	5.5555	0.1248	-1.2354	-0.0131	-0.5203	0.0107	0.4294
4	-5.18	0.01	0.0524	5.5555	0.0073	5.5555	0.1196	-1.1604	-0.0140	-0.4990	0.0128	0.4307
5	-3.30	0.01	0.0500	5.5555	0.0061	5.5555	0.1023	-1.0528	-0.0164	-0.4600	0.0156	0.4377
6	-1.56	0.01	0.0466	5.5555	0.0069	5.5555	0.1370	-0.9420	-0.0189	-0.4130	0.0201	0.4385
7	0.30	0.00	0.0547	5.5555	0.0084	5.5555	0.1558	-0.8224	-0.0204	-0.3600	0.0248	0.4378
8	2.15	0.01	0.0571	5.5555	0.0086	5.5555	0.1193	-0.6970	-0.0215	-0.3010	0.0309	0.4325
9	3.57	-0.00	0.0545	5.5555	0.0038	5.5555	0.0640	-0.5745	-0.0215	-0.2424	0.0375	0.4219
10	5.84	0.01	0.0615	5.5555	0.0031	5.5555	0.0502	-0.4920	-0.0180	-0.1832	0.0412	0.4054
11	7.75	0.01	0.0701	5.5555	0.0037	5.5555	0.0529	-0.3260	-0.0143	-0.1320	0.0438	0.4038
12	9.57	-0.00	0.0651	5.5555	0.0014	5.5555	0.0203	-0.2145	-0.0064	-0.0000	0.0259	0.3730
13	11.52	0.02	0.0703	5.5555	-0.0003	5.5555	-0.0043	-0.1099	0.0037	-0.0345	-0.0337	0.3142
14	12.50	0.01	0.0704	5.5555	-0.0017	5.5555	-0.0044	-0.0404	0.0139	-0.0047	-0.0279	0.0673
15	14.54	0.01	0.0772	5.5555	0.0025	5.5555	0.0324	0.0222	0.0267	0.0285	0.2032	0.2838
16	16.45	0.00	0.0745	5.5555	-0.0007	5.5555	-0.0098	0.0415	0.0380	0.0755	0.4148	0.8249
17	18.04	-0.01	0.0744	5.5555	0.0030	5.5555	0.0363	0.1409	0.0436	0.1050	0.2527	0.7364
18	20.25	-0.01	0.0665	5.5555	-0.0015	5.5555	-0.0225	0.0250	0.0434	0.1469	0.2150	0.6525
19	22.61	-0.00	0.0610	5.5555	-0.0044	5.5555	-0.0735	0.2952	0.0530	0.1811	0.1807	0.6178
20	24.01	-0.04	0.0635	5.5555	-0.0005	5.5555	-0.0079	0.3754	0.0535	0.2210	0.1425	0.5867
21	26.66	0.04	0.0605	5.5555	0.0007	5.5555	0.1002	0.3402	0.0587	0.2061	0.1686	0.5517
22	28.11	0.06	0.0741	5.5555	0.0103	5.5555	0.1321	0.3775	0.0580	0.2230	0.1536	0.5523
23	28.22	0.04	0.0735	5.5555	0.0061	5.5555	0.1104	0.3640	0.0581	0.2275	0.1513	0.5524
24	26.00	0.04	0.0645	5.5555	0.0156	5.5555	0.1803	0.4000	0.0502	0.2428	0.1384	0.5980
25	26.52	0.02	0.0741	5.5555	0.0112	5.5555	0.1436	0.4101	0.0553	0.2474	0.1322	0.5917
26	29.19	0.04	0.0755	5.5555	0.0122	5.5555	0.1540	0.4262	0.0560	0.2522	0.1314	0.5517
27	29.52	0.06	0.0764	5.5555	0.0218	5.5555	0.2204	0.4352	0.0589	0.2587	0.1353	0.5944
28	29.01	0.06	0.0650	5.5555	0.0176	5.5555	0.1900	0.4340	0.0588	0.2595	0.1355	0.5979
29	30.09	0.07	0.0641	5.5555	0.0207	5.5555	0.2202	0.4487	0.0586	0.2666	0.1306	0.5547
30	30.37	0.07	0.0607	5.5555	0.0165	5.5555	0.2152	0.4002	0.0582	0.2602	0.1212	0.5836
31	30.64	0.04	0.0604	5.5555	0.0141	5.5555	0.1750	0.3532	0.0560	0.3010	0.1070	0.5752
32	30.95	0.06	0.0640	5.5555	0.0210	5.5555	0.2200	0.3400	0.0555	0.3104	0.1027	0.5742
33	31.20	0.04	0.0615	5.5555	0.0147	5.5555	0.1306	0.3559	0.0534	0.3108	0.0954	0.5654
34	31.40	0.04	0.0601	5.5555	0.0118	5.5555	0.2070	0.3715	0.0524	0.3245	0.0925	0.5681
35	31.77	0.03	0.0653	5.5555	0.0163	5.5555	0.1920	0.3905	0.0525	0.3330	0.0889	0.5639
36	32.04	0.03	0.0642	5.5555	0.0145	5.5555	0.1884	0.3870	0.0530	0.3304	0.0862	0.5623
37	32.31	0.03	0.0775	5.5555	0.0135	5.5555	0.1787	0.3654	0.0540	0.3204	0.0855	0.5667
38	32.58	0.04	0.0645	5.5555	0.0154	5.5555	0.1816	0.4045	0.0514	0.3359	0.0850	0.5556
39	32.64	0.03	0.0734	5.5555	0.0113	5.5555	0.1542	0.4056	0.0519	0.3361	0.0857	0.5550
40	33.11	0.01	0.0760	5.5555	0.0124	5.5555	0.1802	0.4081	0.0521	0.3363	0.0856	0.5530
41	33.37	0.04	0.0779	5.5555	0.0135	5.5555	0.1787	0.4446	0.0498	0.3536	0.0772	0.5486
42	33.02	0.04	0.0602	5.5555	0.0164	5.5555	0.2047	0.4404	0.0501	0.3535	0.0772	0.5459
43	33.87	0.01	0.0655	5.5555	0.0101	5.5555	0.1447	0.4639	0.0502	0.3524	0.0775	0.5473
44	34.13	0.02	0.0600	5.5555	0.0065	5.5555	0.1307	0.4607	0.0493	0.3537	0.0760	0.5453
45	34.39	0.03	0.0657	5.5555	0.0204	5.5555	0.2383	0.4742	0.0482	0.3644	0.0709	0.5366
46	34.63	0.03	0.0777	5.5555	0.0157	5.5555	0.2023	0.4881	0.0459	0.3647	0.0667	0.5300

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAACP AXIC-6			PHI CONF		DEL1 DEL2		DEL3 DEL4		TRANSITION			
7			147 1.10 1.1		0.0 0.100F15 0.0		0 -20 0 -20		UNKNOWN			
FCINT	ALPHA	BETA	CONF	CH3	CH3	ACPF3	YCPF3	CAF4	CH4	CAF4	XCPF4	YCPF4
47	34.08	0.03	0.0764	5.9999	0.0176	5.9999	0.2242	0.7022	0.0436	0.3097	0.0621	0.5263
48	35.14	0.02	0.0714	5.9999	0.0143	5.9999	0.1994	0.6993	0.0442	0.3681	0.0632	0.5263
49	35.36	0.03	0.0725	5.9999	0.0153	5.9999	0.2102	0.7142	0.0428	0.3733	0.0599	0.5228
50	35.54	0.03	0.0729	5.9999	0.0154	5.9999	0.2170	0.7316	0.0419	0.3797	0.0572	0.5196
51	35.85	0.02	0.0774	5.9999	0.0157	5.9999	0.2549	0.7355	0.0415	0.3812	0.0561	0.5154
52	36.04	0.02	0.0849	5.9999	0.0124	5.9999	0.1914	0.7203	0.0420	0.3750	0.0578	0.5163
53	36.32	0.02	0.0758	5.9999	0.0222	5.9999	0.2792	0.7594	0.0408	0.3888	0.0537	0.5119
54	36.57	0.01	0.0814	5.9999	0.0117	5.9999	0.1904	0.7623	0.0401	0.3865	0.0526	0.5101
55	36.61	0.01	0.0842	5.9999	0.0167	5.9999	0.2452	0.7757	0.0393	0.3927	0.0506	0.5063
56	37.03	0.03	0.0815	5.9999	0.0175	5.9999	0.2507	0.7579	0.0407	0.3871	0.0537	0.5107
57	37.25	0.03	0.0835	5.9999	0.0138	5.9999	0.2145	0.7874	0.0389	0.3576	0.0494	0.5056
58	37.52	0.01	0.0725	5.9999	0.0207	5.9999	0.2359	0.7885	0.0401	0.3878	0.0521	0.5046
59	37.78	0.02	0.0812	5.9999	0.0139	5.9999	0.2275	0.7782	0.0385	0.3567	0.0499	0.5021
60	38.01	0.02	0.0825	5.9999	0.0158	5.9999	0.2735	0.7808	0.0393	0.3528	0.0503	0.5032
61	38.24	0.02	0.0848	5.9999	0.0160	5.9999	0.2481	0.8032	0.0382	0.4015	0.0475	0.4995
62	38.46	0.01	0.0702	5.9999	0.0152	5.9999	0.2739	0.8070	0.0385	0.4042	0.0477	0.5009
63	38.72	0.00	0.0855	5.9999	0.0165	5.9999	0.2794	0.8328	0.0359	0.4165	0.0426	0.4946
64	38.95	0.01	0.0857	5.9999	0.0174	5.9999	0.2822	0.8016	0.0387	0.3991	0.0482	0.4975
65	39.15	0.01	0.0858	5.9999	0.0133	5.9999	0.2266	0.8270	0.0378	0.4090	0.0457	0.4948
66	39.40	0.02	0.0803	5.9999	0.0203	5.9999	0.3275	0.8407	0.0374	0.4176	0.0441	0.4932
67	39.63	0.02	0.0855	5.9999	0.0142	5.9999	0.2375	0.8201	0.0387	0.4058	0.0471	0.4948
68	39.85	0.01	0.0855	5.9999	0.0192	5.9999	0.2736	0.8391	0.0382	0.4126	0.0435	0.4917
69	40.08	0.00	0.0855	5.9999	0.0167	5.9999	0.2859	0.8151	0.0396	0.4029	0.0485	0.4943
70	40.25	0.03	0.0854	5.9999	0.0140	5.9999	0.2487	0.8054	0.0407	0.3985	0.0505	0.4948
71	40.48	0.01	0.0841	5.9999	0.0138	5.9999	0.2556	0.8716	0.0379	0.4240	0.0434	0.4863
72	40.69	0.02	0.0845	5.9999	0.0170	5.9999	0.2796	0.8767	0.0382	0.4244	0.0435	0.4841
73	40.90	0.00	0.0822	5.9999	0.0180	5.9999	0.2908	0.8634	0.0377	0.4282	0.0428	0.4848
74	41.13	0.02	0.0845	5.9999	0.0125	5.9999	0.2530	0.8575	0.0402	0.4166	0.0468	0.4859
75	41.35	0.02	0.0854	5.9999	0.0201	5.9999	0.3078	0.9024	0.0383	0.4331	0.0424	0.4800
76	41.54	0.03	0.0806	5.9999	0.0164	5.9999	0.3031	0.8805	0.0401	0.4260	0.0455	0.4836
77	41.74	0.03	0.0845	5.9999	0.0103	5.9999	0.2299	0.8993	0.0394	0.4320	0.0438	0.4804
78	41.95	0.03	0.0874	5.9999	0.0168	5.9999	0.2732	0.9203	0.0383	0.4426	0.0412	0.4768
79	42.15	0.04	0.0808	5.9999	0.0193	5.9999	0.3180	0.9081	0.0402	0.4363	0.0443	0.4813
80	42.34	0.04	0.0874	5.9999	0.0177	5.9999	0.3089	0.9235	0.0390	0.4353	0.0422	0.4757
81	42.53	0.02	0.0825	5.9999	0.0141	5.9999	0.2670	0.9243	0.0401	0.4414	0.0433	0.4776
82	42.72	0.04	0.0804	5.9999	0.0152	5.9999	0.2806	0.9256	0.0400	0.4435	0.0432	0.4792
83	42.91	0.02	0.0834	5.9999	0.0228	5.9999	0.3492	0.9420	0.0400	0.4473	0.0424	0.4745
84	43.08	0.03	0.0874	5.9999	0.0123	5.9999	0.2806	0.9474	0.0394	0.4501	0.0416	0.4751
85	43.25	0.03	0.0830	5.9999	0.0142	5.9999	0.2684	0.9421	0.0395	0.4498	0.0423	0.4774
86	43.44	0.04	0.0855	5.9999	0.0134	5.9999	0.2713	0.9499	0.0387	0.4411	0.0386	0.4644
87	43.63	0.03	0.0810	5.9999	0.0180	5.9999	0.2956	0.9337	0.0407	0.4401	0.0436	0.4714
88	43.81	0.04	0.0844	5.9999	0.0136	5.9999	0.2857	0.9505	0.0408	0.4525	0.0429	0.4760
89	43.98	0.03	0.0855	5.9999	0.0184	5.9999	0.3077	0.9451	0.0428	0.4517	0.0433	0.4779
90	44.14	0.04	0.0842	5.9999	0.0150	5.9999	0.2884	0.9441	0.0392	0.4414	0.0415	0.4676
91	44.35	0.05	0.0855	5.9999	0.0153	5.9999	0.3097	0.9379	0.0384	0.4384	0.0409	0.4654
92	44.54	0.04	0.0821	5.9999	0.0203	5.9999	0.3274	0.9432	0.0439	0.4494	0.0465	0.4764

PAGE 3 OF 3
 SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART	MACH	AX	AY	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	1.10	1.7		C.C	3100F15	C.C	0	-20	0	-20	UNKNOWN
PCINT	ALPHA	BETA	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF
93	44.72	-0.04	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
94	44.40	-0.04	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
95	45.09	-0.03	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
96	45.27	-0.04	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
97	45.45	-0.02	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
98	45.64	-0.03	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
99	45.81	-0.04	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
100	45.98	-0.04	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
101	46.16	-0.06	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
102	46.34	-0.07	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
103	46.51	-0.05	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
104	46.67	-0.06	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
105	46.86	-0.06	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
106	47.04	-0.04	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
107	47.19	-0.05	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
108	47.37	-0.04	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
109	47.55	-0.05	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
110	47.74	-0.05	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
111	47.89	-0.04	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
112	48.08	-0.02	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
113	48.25	-0.04	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
114	48.41	-0.04	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
115	48.59	-0.03	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
116	48.75	-0.03	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
117	48.93	-0.01	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
118	49.11	-0.03	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
119	49.27	-0.03	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
120	49.45	-0.02	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
121	49.61	-0.01	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
122	49.82	-0.02	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
123	49.97	-0.01	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
124	50.13	-0.00	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
125	50.31	-0.00	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
126	50.50	-0.00	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
127	50.64	-0.00	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
128	50.81	-0.01	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
129	50.97	-0.01	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
130	51.17	-0.02	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
131	51.31	-0.00	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
132	51.48	-0.01	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
133	51.66	-0.01	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
134	51.82	-0.03	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
135	51.97	-0.03	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
136	52.16	-0.01	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
137	52.31	-0.02	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976
138	52.50	-0.01	0.0342	0.0342	0.0342	0.0342	0.2976	0.2976	0.2976	0.2976	0.2976

PAGE 3 OF 3
SHEET 6 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RELOC-6	PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1	1.47	1.10	1.7	C.C	8160F15	C.C	0	-20	0	-20	UNKNOWN

PCINT	ALPHA	BETA	CNF3	CM3	CB3	ACPF3	YCPF3	CNF4	CM4	CB4	ACPF4	YCPF4
139	52.66	0.01	0.0451	9.9955	0.0177	9.9999	0.3012	0.6966	0.0281	0.3033	0.0404	0.4354

PAGE 1 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST 7	PART MACH RATIO-2		Pn C.O.C	CONF		L C.O.C	DEL1 0	DEL2 -20	DEL3 0	DEL4 -20	TRANSITION	
	148	0.06	1.1	C.O.C	UNIFORM	C.O.C					UNKNOWN	
INT	ALPHA	BETA	CA	CLM	CL	CLN	CLL	CA	CAB	CAF	XCP	
	-5.68	0.02	-0.0511	1.7028	0.1075	-0.1891	0.0221	0.5581	0.3122	0.2459	-2.4721	
	-5.68	0.01	-0.0528	1.6532	0.0542	-0.1636	0.0148	0.5503	0.3126	0.2437	-2.4442	
	-5.68	0.01	-0.0765	1.6845	0.1046	-0.2106	0.0149	0.5562	0.3121	0.2461	-2.4525	
	-5.69	0.00	-0.0342	1.5447	0.0624	-0.1366	0.0130	0.5578	0.3134	0.2474	-2.4011	
	-5.34	0.00	-0.0634	1.7255	0.0501	-0.1348	0.0151	0.5660	0.3035	0.2625	-2.6824	
	-3.53	0.00	-0.0566	2.6865	0.0717	-0.1597	0.0302	0.4962	0.2055	0.2423	-3.8280	
	-1.80	0.00	-0.0334	2.6551	0.0773	-0.1844	0.0257	0.4801	0.1789	0.3013	-4.5137	
	0.01	0.01	-0.0105	2.7965	0.1213	-0.2130	0.0243	0.4579	0.1654	0.2426	-5.4748	
	1.79	0.01	-0.0319	2.6027	0.1217	-0.1878	0.0246	0.4310	0.1568	0.2744	-7.3966	
	3.57	0.01	-0.0325	2.5445	0.1074	-0.1873	0.0255	0.4059	0.1487	0.2572	-10.5448	
	5.33	0.00	-0.0575	2.5153	0.0755	-0.1823	0.0259	0.3808	0.1476	0.2332	-25.8107	
	7.14	0.01	0.1140	2.4435	0.1072	-0.1871	0.0266	0.3506	0.1430	0.2010	19.6869	
	8.86	0.00	0.3319	1.8874	0.0525	-0.0858	0.0270	0.3201	0.1514	0.1687	5.8274	
	10.07	0.00	0.5468	1.5112	0.0235	-0.0584	0.0204	0.2821	0.1339	0.1283	2.7537	
15	12.44	0.00	0.7662	1.2052	0.0411	-0.0276	0.0210	0.2601	0.1594	0.1008	1.5689	
16	14.22	0.00	1.0064	0.8726	0.0090	-0.0193	0.0214	0.2402	0.1678	0.0724	0.9664	
17	16.07	-0.06	1.2445	0.7270	-0.0377	-0.0258	0.0227	0.2192	0.1774	0.0416	0.5842	
18	17.40	-0.01	1.5255	0.4607	-0.1097	0.0224	0.0370	0.1839	0.1812	0.0027	0.3019	
19	19.70	-0.02	1.8144	0.0842	-0.3112	0.0716	0.0433	0.1464	0.1849	-0.0385	0.0467	
20	21.53	-0.02	2.0667	-0.2260	-0.3743	1.1366	0.0433	0.1123	0.1946	-0.0623	-0.1082	
21	23.37	-0.04	2.4320	-0.6602	-0.7555	2.0745	0.0342	0.0697	0.2072	-0.1175	-0.2715	
22	25.16	-0.03	2.7154	-0.8127	-0.5437	1.4402	0.0158	0.0489	0.2132	-0.1643	-0.2593	
23	27.01	-0.00	2.9888	-0.8576	-0.0616	0.2641	0.0427	0.0040	0.2081	-0.2041	-0.2764	
24	27.80	0.01	3.1357	-0.8081	0.1467	-0.0335	0.0439	-0.0078	0.2068	-0.2146	-0.2577	
25	28.03	0.02	3.2120	-0.8146	0.1555	-0.0132	0.0512	-0.0034	0.2030	-0.2174	-0.2536	
26	28.33	0.01	3.2513	-0.7346	0.1385	0.1301	0.0439	-0.0048	0.2137	-0.2165	-0.2260	
27	28.68	0.02	3.3250	-0.7846	0.1878	0.1741	0.0368	-0.0175	0.2189	-0.2364	-0.2344	
28	28.97	0.01	3.3820	-0.7623	0.1372	0.1036	0.0446	-0.0101	0.2189	-0.2240	-0.2254	
29	29.25	0.02	3.4583	-0.7505	0.2717	0.0177	0.0450	-0.0175	0.2221	-0.2396	-0.2170	
30	29.53	0.01	3.4934	-0.7624	0.1332	0.0343	0.0295	-0.0152	0.2273	-0.2425	-0.2011	
31	29.82	0.03	3.5688	-0.6874	0.3383	0.1005	0.0352	-0.0249	0.2282	-0.2531	-0.1915	
32	30.08	0.03	3.6002	-0.6946	0.4218	-0.0566	0.0330	-0.0207	0.2324	-0.2531	-0.1929	
33	30.34	0.03	3.6910	-0.7122	0.2765	0.4154	0.0456	-0.0142	0.2388	-0.2630	-0.1930	
34	30.62	0.03	3.7465	-0.7374	0.3358	0.3728	0.0446	-0.0144	0.2536	-0.2730	-0.1969	
35	30.87	0.02	3.7503	-0.7510	0.1554	1.0614	-0.0006	-0.0024	0.2601	-0.2705	-0.1981	
36	31.17	0.02	3.8562	-0.7605	0.1404	0.0656	-0.0005	-0.0058	0.2748	-0.2806	-0.1972	
37	31.43	0.04	3.9015	-0.7412	0.2710	0.9163	0.0073	-0.0032	0.2832	-0.2864	-0.1901	
38	31.70	0.04	3.9447	-0.7257	0.2854	1.0032	0.0146	-0.0006	0.2874	-0.2880	-0.1817	
39	31.96	0.03	4.0557	-0.6334	0.2384	1.1811	0.0073	-0.0069	0.2912	-0.3001	-0.1560	
40	32.21	0.05	4.1478	-0.7614	0.4155	1.0607	0.0070	0.0006	0.3010	-0.2944	-0.1652	
41	32.48	0.05	4.2005	-0.5465	0.4517	0.8863	0.0067	-0.0219	0.2917	-0.3136	-0.1302	
42	32.74	0.05	4.2708	-0.5001	0.4229	0.8761	0.0091	-0.0281	0.2855	-0.3137	-0.1169	
43	32.97	0.05	4.3484	-0.4705	0.4088	0.8412	0.0092	-0.0335	0.2859	-0.3195	-0.1082	
44	33.23	0.04	4.3666	-0.3565	0.4032	0.8674	0.0025	-0.0324	0.2813	-0.3198	-0.0822	
45	33.48	0.05	4.4534	-0.2981	0.5155	0.8816	0.0035	-0.0457	0.2925	-0.3382	-0.0653	
46	33.72	0.06	4.5712	-0.2488	0.5654	1.0022	-0.0047	-0.0296	0.3117	-0.3413	-0.0632	

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			KATC-E		PHI	CLNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7			100 0.00 1.7		C.C 0.100F23		C.C	0	-20	0	-20	UNKNOWN
PCINT	ALPHA	BETA	CH	CLM	CV	CLA	CLL	CA	CAB	CAF	KCP	
1	-5.68	0.02	-0.6511	1.7022	0.1075	-0.1891	0.0221	0.5581	0.3122	0.2459	-2.4727	
2	-5.68	0.01	-0.6528	1.6522	0.0542	-0.1830	0.0148	0.5503	0.3126	0.2437	-2.4442	
3	-5.68	0.01	-0.6785	1.6645	0.1048	-0.2100	0.0149	0.5582	0.3121	0.2461	-2.4525	
4	-5.69	0.00	-0.6342	1.5497	0.0634	-0.1300	0.0150	0.5578	0.3104	0.2474	-2.6011	
5	-5.34	0.00	-0.6434	1.1255	0.0501	-0.1340	0.0151	0.5660	0.3035	0.2625	-2.6824	
6	-3.53	0.00	-0.6906	2.6865	0.0711	-0.1597	0.0302	0.4902	0.2055	0.2423	-3.8280	
7	-1.80	0.00	-0.6334	2.8551	0.0773	-0.1844	0.0257	0.4801	0.1789	0.3013	-4.5137	
8	0.01	0.01	-0.5105	2.7465	0.1213	-0.2130	0.0243	0.4579	0.1654	0.2926	-5.4748	
9	1.79	0.01	-0.3519	2.8027	0.1217	-0.1878	0.0248	0.4310	0.1506	0.2744	-7.3966	
10	3.57	0.01	-0.2323	2.5445	0.1074	-0.1873	0.0253	0.4059	0.1407	0.2572	-10.9448	
11	5.33	0.00	-0.0575	2.5153	0.0755	-0.1823	0.0259	0.3808	0.1476	0.2332	-25.8107	
12	7.14	0.01	0.1140	2.2435	0.1072	-0.1871	0.0260	0.3506	0.1490	0.2010	19.6869	
13	8.86	0.00	0.3319	1.8672	0.0525	-0.0858	0.0270	0.3201	0.1514	0.1687	5.6274	
14	10.67	0.00	0.5400	1.5112	0.0235	-0.0504	0.0234	0.2821	0.1535	0.1203	2.7537	
15	12.44	0.00	0.7682	1.2052	0.0011	-0.0246	0.0210	0.2401	0.1594	0.1008	1.5689	
16	14.22	0.00	1.0044	0.9720	0.0050	-0.0193	0.0214	0.2402	0.1678	0.0724	0.9864	
17	16.07	-0.00	1.2445	0.7270	-0.0377	-0.0258	0.0227	0.2192	0.1774	0.0416	0.5842	
18	17.90	-0.01	1.5259	0.4807	-0.1097	0.0224	0.0370	0.1839	0.1812	0.0027	0.3019	
19	19.70	-0.02	1.8144	0.0840	-0.3112	0.8710	0.0433	0.1404	0.1849	-0.0385	0.0467	
20	21.53	-0.02	2.0667	-0.2260	-0.3743	1.1306	0.0453	0.1123	0.1946	-0.0623	-0.1082	
21	23.37	-0.04	2.4320	-0.6802	-0.7555	2.0745	0.0342	0.0897	0.2072	-0.1175	-0.2715	
22	25.18	-0.03	2.7154	-0.8127	-0.9437	1.4402	0.0198	0.0489	0.2132	-0.1643	-0.2593	
23	27.01	-0.00	3.0800	-0.8570	-0.0510	0.2841	0.0427	0.0040	0.2081	-0.2041	-0.2764	
24	27.80	0.01	3.1557	-0.8001	0.1407	-0.0335	0.0439	-0.0078	0.2068	-0.2140	-0.2577	
25	28.63	0.02	3.2120	-0.8140	0.1535	-0.0132	0.0512	-0.0084	0.2050	-0.2174	-0.2536	
26	28.33	0.01	3.2513	-0.7346	0.1305	0.1301	0.0439	-0.0048	0.2137	-0.2105	-0.2260	
27	28.68	0.02	3.3850	-0.7850	0.1678	0.1741	0.0368	-0.0175	0.2189	-0.2364	-0.2344	
28	28.97	0.01	3.3820	-0.7023	0.1372	0.1050	0.0440	-0.0101	0.2189	-0.2240	-0.2254	
29	29.25	0.02	3.4563	-0.7505	0.2717	0.0177	0.0450	-0.0175	0.2221	-0.2396	-0.2170	
30	29.53	0.01	3.4454	-0.7025	0.1332	0.0303	0.0299	-0.0152	0.2273	-0.2425	-0.2011	
31	29.82	0.03	3.5268	-0.6874	0.3383	0.1005	0.0452	-0.0249	0.2282	-0.2531	-0.1915	
32	30.08	0.03	3.6002	-0.6940	0.4218	-0.0506	0.0530	-0.0207	0.2324	-0.2531	-0.1929	
33	30.34	0.03	3.6510	-0.7122	0.2765	0.4154	0.0466	-0.0142	0.2438	-0.2630	-0.1930	
34	30.62	0.03	3.7445	-0.7375	0.3356	0.3728	0.0446	-0.0194	0.2530	-0.2730	-0.1965	
35	30.89	0.02	3.7903	-0.7510	0.1554	0.0614	-0.0006	-0.0024	0.2681	-0.2705	-0.1981	
36	31.17	0.02	3.8562	-0.7003	0.1404	1.0650	-0.0005	-0.0006	0.2748	-0.2800	-0.1972	
37	31.43	0.04	3.9015	-0.7410	0.2710	0.9163	0.0073	-0.0032	0.2832	-0.2864	-0.1901	
38	31.70	0.04	3.9947	-0.7257	0.2254	1.0032	0.0140	-0.0000	0.2874	-0.2880	-0.1817	
39	31.96	0.03	4.0557	-0.6334	0.2364	1.1811	-0.0073	-0.0009	0.2912	-0.3001	-0.1560	
40	32.21	0.05	4.1478	-0.7115	0.4155	1.0087	0.0076	0.0000	0.3010	-0.2944	-0.1652	
41	32.48	0.05	4.2008	-0.5465	0.4517	0.8645	0.0087	-0.0215	0.2917	-0.3136	-0.1302	
42	32.76	0.05	4.2780	-0.5001	0.4229	0.8701	0.0091	-0.0281	0.2855	-0.3137	-0.1169	
43	32.97	0.05	4.3464	-0.4705	0.4008	0.9412	0.0092	-0.0335	0.2859	-0.3155	-0.1082	
44	33.23	0.04	4.3000	-0.3505	0.4052	0.8074	0.0025	-0.0324	0.2873	-0.3198	-0.0822	
45	33.48	0.05	4.4534	-0.2581	0.5155	0.6810	0.0035	-0.0457	0.2925	-0.3382	-0.0663	
46	33.72	0.06	4.5712	-0.2800	0.5654	1.0022	-0.0047	-0.0296	0.3117	-0.3413	-0.0632	

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	PAICH	AXIS	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	148	0.00	1.7	C.C	0.140F23	C.C	0	-20	0	-20	UNKNOWN
PCINT	ALPHA	BETA	CN	CLM	CV	CLA	CLL	CA	CAB	CAF	XCP
1	-5.68	0.02	-0.0511	1.7028	0.0075	-0.1691	0.0221	0.5581	0.3122	0.2459	-2.4727
2	-5.68	0.01	-0.0528	1.6532	0.0542	-0.1636	0.0148	0.5503	0.3126	0.2437	-2.4442
3	-5.68	0.01	-0.0515	1.6046	0.1048	-0.2106	0.0149	0.5502	0.3121	0.2461	-2.4525
4	-5.69	0.00	-0.0542	1.5451	0.0654	-0.1306	0.0150	0.5578	0.3104	0.2474	-2.6011
5	-5.34	0.00	-0.0434	1.1255	0.0501	-0.1348	0.0151	0.5660	0.3035	0.2625	-2.6824
6	-3.53	0.00	-0.0506	2.6605	0.0777	-0.1597	0.0302	0.4982	0.2655	0.2423	-3.8280
7	-1.80	0.00	-0.0534	2.8551	0.0773	-0.1844	0.0257	0.4801	0.1789	0.3013	-4.5137
8	0.01	0.01	-0.0510	2.7465	0.1213	-0.2130	0.0243	0.4579	0.1654	0.2926	-5.4748
9	1.79	0.01	-0.3519	2.6027	0.1217	-0.1878	0.0248	0.4310	0.1566	0.2744	-7.3966
10	3.57	0.01	-0.0235	2.5445	0.1074	-0.1873	0.0255	0.4059	0.1487	0.2572	-10.5448
11	5.33	0.00	-0.0575	2.5153	0.0755	-0.1823	0.0259	0.3808	0.1476	0.2332	-25.8107
12	7.14	0.01	0.1140	2.2435	0.1072	-0.1871	0.0266	0.3506	0.1496	0.2010	19.6869
13	8.86	0.00	0.3319	1.8676	0.0525	-0.0858	0.0270	0.3201	0.1514	0.1687	5.6274
14	10.07	0.00	0.5488	1.5112	0.0235	-0.0504	0.0204	0.2821	0.1535	0.1283	2.7537
15	12.44	0.00	0.7682	1.2052	0.0411	-0.0248	0.0210	0.2601	0.1594	0.1008	1.5689
16	14.22	0.00	1.0064	0.8720	0.0050	-0.0193	0.0215	0.2402	0.1678	0.0724	0.9864
17	16.07	-0.00	1.2445	0.7270	-0.0377	-0.0258	0.0227	0.2192	0.1774	0.0414	0.5842
18	17.50	-0.01	1.5235	0.4807	-0.1097	0.0224	0.0370	0.1839	0.1812	0.0027	0.3019
19	19.70	-0.02	1.8144	0.0848	-0.3112	0.0716	0.0433	0.1464	0.1845	-0.0385	0.0467
20	21.53	-0.04	2.0807	-0.2260	-0.3743	1.1306	0.0433	0.1123	0.1946	-0.0823	-0.1082
21	23.37	-0.06	2.3326	-0.0802	-0.7555	2.0745	0.0542	0.0897	0.2072	-0.1175	-0.2715
22	25.18	-0.03	2.7154	-0.0127	-0.5457	1.4402	0.0158	0.0489	0.2132	-0.1643	-0.2593
23	27.01	-0.00	3.0800	-0.0576	-0.0816	0.2841	0.0427	0.0040	0.2061	-0.2041	-0.2784
24	27.80	0.01	3.1357	-0.0881	0.1467	-0.0335	0.0439	-0.0078	0.2068	-0.2148	-0.2577
25	28.03	0.02	3.1120	-0.3148	0.1535	-0.0152	0.0512	-0.0084	0.2050	-0.2174	-0.2538
26	28.33	0.01	3.2513	-0.7348	0.1385	0.1301	0.0439	-0.0048	0.2137	-0.2165	-0.2260
27	28.68	0.02	3.3650	-0.7850	0.1678	0.1741	0.0368	-0.0175	0.2189	-0.2364	-0.2344
28	28.97	0.01	3.3820	-0.7623	0.1372	0.1050	0.0440	-0.0101	0.2189	-0.2240	-0.2254
29	29.25	0.02	3.4583	-0.7505	0.2717	0.0177	0.0450	-0.0175	0.2221	-0.2396	-0.2170
30	29.53	0.01	3.4454	-0.7629	0.1332	0.0303	0.0295	-0.0152	0.2273	-0.2425	-0.2011
31	29.82	0.03	3.5288	-0.6874	0.3385	0.1005	0.0452	-0.0249	0.2282	-0.2531	-0.1915
32	30.08	0.03	3.6002	-0.6946	0.4218	-0.0500	0.0530	-0.0207	0.2324	-0.2531	-0.1929
33	30.34	0.03	3.6510	-0.7122	0.2765	0.4754	0.0468	-0.0142	0.2488	-0.2630	-0.1930
34	30.62	0.03	3.7485	-0.7375	0.3328	0.3728	0.0448	-0.0194	0.2530	-0.2730	-0.1969
35	30.83	0.02	3.7603	-0.7510	0.1554	1.0614	-0.0050	-0.0024	0.2681	-0.2705	-0.1981
36	31.17	0.02	3.8582	-0.7065	0.1404	1.0650	-0.0005	-0.0058	0.2748	-0.2808	-0.1972
37	31.43	0.04	3.5015	-0.7418	0.2710	0.9163	0.0073	-0.0032	0.2832	-0.2864	-0.1901
38	31.70	0.04	3.4447	-0.7257	0.2054	0.6032	0.0140	-0.0006	0.2874	-0.2880	-0.1817
39	31.96	0.03	4.0557	-0.6334	0.2384	1.1011	-0.0073	-0.0089	0.2912	-0.3001	-0.1560
40	32.21	0.05	4.1416	-0.7019	0.4155	1.0067	0.0070	0.0000	0.3010	-0.2944	-0.1662
41	32.48	0.05	4.2008	-0.5465	0.4517	0.8643	0.0067	-0.0219	0.2917	-0.3136	-0.1302
42	32.74	0.05	4.2788	-0.5001	0.4229	0.8701	0.0091	-0.0281	0.2855	-0.3137	-0.1169
43	32.57	0.05	4.3464	-0.4705	0.4008	0.9412	0.0092	-0.0335	0.2859	-0.3195	-0.1082
44	33.23	0.04	4.3066	-0.3585	0.4652	0.8074	0.0065	-0.0324	0.2873	-0.3198	-0.0822
45	33.48	0.05	4.4534	-0.2981	0.5155	0.6818	0.0035	-0.0457	0.2925	-0.3382	-0.0663
46	33.72	0.06	4.5712	-0.2808	0.5654	1.0022	-0.0047	-0.0496	0.3117	-0.3413	-0.0632

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME			PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 148 0.00 1.7			0.0	0.100	2.3	C.C	0	-20	0	-20 UNKNOWN	
PLINT	ALPHA	BETA	CN	CLM	CV	CLL	CLL	CA	CAB	CAF	XCP
47	33.98	0.05	4.6125	-0.2687	0.4963	1.1315	-0.0348	-0.0231	0.3285	-0.3516	-0.0582
48	34.21	0.05	4.6417	-0.2544	0.5068	1.0968	-0.0116	-0.0233	0.3328	-0.3561	-0.0547
49	34.45	0.07	4.6145	-0.2642	0.7094	1.1002	-0.0114	-0.0021	0.3464	-0.3443	-0.0549
50	34.71	0.07	4.6955	-0.2754	0.7202	1.1338	-0.0112	-0.0041	0.3616	-0.3657	-0.0571
51	34.95	0.08	4.5466	-0.1440	0.7853	0.6522	0.0116	-0.0148	0.3532	-0.3680	-0.0291
52	35.18	0.07	5.0582	-0.0678	0.8116	0.4666	0.0213	-0.0234	0.3527	-0.3761	-0.0134
53	35.42	0.07	5.0572	0.1534	0.9045	-0.7541	0.0623	-0.0870	0.3084	-0.3554	0.0301
54	35.65	0.06	5.1262	0.1672	0.8160	-1.1418	0.0775	-0.0961	0.2915	-0.3845	0.0326
55	35.88	0.07	5.1525	0.2525	0.5536	-1.3719	0.0854	-0.1165	0.2846	-0.4060	0.0494
56	36.12	0.06	5.2808	0.2432	0.4084	-1.1645	0.0711	-0.0922	0.3103	-0.4025	0.0461
57	36.36	0.07	5.3524	0.1825	0.0023	-0.6520	0.0556	-0.0541	0.3446	-0.3585	0.0352
58	36.59	0.07	5.4826	0.1385	0.6485	-0.5236	0.0412	-0.0443	0.3617	-0.4060	0.0252
59	36.83	0.07	5.5402	0.2513	0.5655	-0.6258	0.0491	-0.0446	0.3532	-0.4178	0.0226
60	37.06	0.06	5.5718	0.4353	0.9003	-0.5557	0.0565	-0.0916	0.3393	-0.4309	0.0788
61	37.28	0.07	5.7238	0.3021	0.5670	-0.1524	0.0264	-0.0602	0.3542	-0.4144	0.0538
62	37.52	0.07	5.7535	0.2775	0.8556	0.1796	0.0110	-0.0493	0.3732	-0.4225	0.0482
63	37.75	0.07	5.6714	0.1857	0.7836	0.8195	-0.0128	-0.0201	0.4072	-0.4273	0.0316
64	37.98	0.08	6.0033	0.0644	0.8115	1.3605	-0.0287	-0.0112	0.4282	-0.4394	0.0107
65	38.22	0.08	6.0746	0.0545	0.8648	1.4702	-0.0291	-0.0169	0.4295	-0.4464	0.0090
66	38.44	0.08	6.2712	-0.0465	0.7761	2.0680	-0.0452	-0.0220	0.4240	-0.4510	-0.0075
67	38.66	0.08	6.4106	-0.0314	0.6502	2.2550	-0.0450	-0.0265	0.4337	-0.4602	-0.0049
68	38.88	0.09	6.5257	-0.0682	0.0000	2.1400	-0.0446	-0.0262	0.4385	-0.4631	-0.0135
69	39.10	0.09	6.6018	-0.1248	0.7511	2.2496	-0.0444	-0.0180	0.4374	-0.4554	-0.0189
70	39.29	0.08	6.6466	-0.0540	0.7244	2.1154	-0.0363	-0.0258	0.4327	-0.4585	-0.0082
71	39.52	0.10	6.7310	0.0221	0.5502	1.8310	-0.0209	-0.0457	0.4375	-0.4833	0.0034
72	39.71	0.08	6.6283	0.2485	0.7424	1.5510	-0.0195	-0.0383	0.4360	-0.4743	0.0375
73	39.90	0.08	6.7010	0.1523	0.7154	1.8695	-0.0234	-0.0406	0.4337	-0.4743	0.0287
74	40.11	0.06	6.7625	0.4014	0.7371	1.5845	-0.0183	-0.0631	0.4286	-0.4418	0.0598
75	40.31	0.06	6.6559	0.3152	0.7403	1.1223	-0.0026	-0.0747	0.4145	-0.4843	0.0775
76	40.52	0.06	6.5483	0.1546	0.8507	1.7445	-0.0142	-0.0582	0.4327	-0.4510	0.0279
77	40.73	0.08	7.0206	0.2775	0.8814	1.6731	-0.0166	-0.0534	0.4476	-0.5011	0.0345
78	40.94	0.05	7.1824	0.1330	0.5570	1.8506	-0.0189	-0.0433	0.4342	-0.4946	0.0185
79	41.14	0.08	7.2110	0.1485	0.5337	1.8504	-0.0261	-0.0441	0.4613	-0.5035	0.0206
80	41.34	0.06	7.3026	0.1485	0.8220	2.0815	-0.0264	-0.0447	0.4607	-0.5035	0.0203
81	41.53	0.08	7.3860	0.2752	0.8178	2.0254	-0.0256	-0.0575	0.4622	-0.5198	0.0378
82	41.74	0.05	7.4035	0.1335	0.5707	2.0115	-0.0328	-0.0571	0.4641	-0.5213	0.0179
83	41.91	0.07	7.4555	0.2171	0.8400	2.1601	-0.0331	-0.0623	0.4570	-0.5194	0.0291
84	42.09	0.06	7.4283	0.0408	0.8951	1.7135	-0.0165	-0.1221	0.4182	-0.5403	0.0863
85	42.28	0.08	7.6680	0.1243	0.8757	2.3242	-0.0404	-0.0395	0.4640	-0.5236	0.0240
86	42.47	0.09	7.5271	-0.1617	0.5405	2.7150	-0.0414	-0.0621	0.4636	-0.5258	-0.0204
87	42.63	0.08	7.7855	0.1623	0.8807	2.3230	-0.0399	-0.0669	0.4673	-0.5323	0.0234
88	42.82	0.05	8.3000	-0.1273	0.5315	2.7241	-0.0463	-0.0548	0.4697	-0.5246	-0.0159
89	43.01	0.08	8.0505	-0.0231	0.8124	2.6437	-0.0477	-0.0788	0.4674	-0.5483	-0.0029
90	43.20	0.05	8.1535	-0.1025	0.5356	2.7511	-0.0479	-0.0552	0.4711	-0.5264	-0.0126
91	43.34	0.08	8.3753	0.0471	0.5225	2.5434	-0.0544	-0.0858	0.4655	-0.5514	0.0058
92	43.55	0.09	8.2922	-0.2169	0.5265	2.9112	-0.0553	-0.0739	0.4726	-0.5466	-0.0261

PAGE 1 OF 3
SHEET 3 OF 4

MARIA MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	RELOC	PHI	CGAF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	148	0.60	1.7	C-C	8140F23	0.0	0	-20	0	-20	UNKNOWN
PCINT	ALPHA	BETA	LN	LLM	CY	CLN	CLL	CA	CAB	CAF	XCP
93	43.73	0.09	8.3020	-0.1554	0.9614	2.9684	-0.0526	-0.0816	0.4711	-0.5528	-0.0191
94	43.90	0.08	8.3038	-0.0513	0.8805	2.7653	-0.0615	-0.0610	0.4786	-0.5557	-0.0061
95	44.10	0.08	8.4321	-0.0724	0.8520	2.8138	-0.0614	-0.0813	0.4756	-0.5552	-0.0086
96	44.30	0.05	8.6226	-0.3517	0.8747	3.1084	-0.0614	-0.0873	0.4836	-0.5680	-0.0408
97	44.47	0.06	8.5718	-0.0785	0.8476	2.6722	-0.0602	-0.0794	0.4653	-0.5647	-0.0092
98	44.64	0.04	8.7774	-0.2616	0.9221	2.9225	-0.0605	-0.0921	0.4844	-0.5765	-0.0328
99	44.82	0.06	8.7152	-0.1337	0.8474	2.9201	-0.0604	-0.0919	0.4840	-0.5759	-0.0153
100	45.01	0.05	8.8459	-0.1434	0.9438	3.0298	-0.0615	-0.0903	0.4659	-0.5762	-0.0218
101	45.18	0.08	8.9120	-0.2001	0.8205	3.0287	-0.0599	-0.0932	0.4682	-0.5814	-0.0231
102	45.35	0.06	9.0536	-0.2325	0.8071	3.0556	-0.0598	-0.0949	0.4640	-0.5789	-0.0260
103	45.53	0.08	9.0536	-0.3261	0.8238	3.1092	-0.0596	-0.1095	0.4654	-0.5548	-0.0380
104	45.70	0.06	9.0980	-0.3062	0.8048	2.9930	-0.0590	-0.1019	0.4510	-0.5428	-0.0337
105	45.88	0.07	9.1700	-0.3425	0.8174	2.9725	-0.0588	-0.1017	0.4567	-0.5563	-0.0373
106	46.04	0.06	9.3017	-0.4627	0.8605	3.0036	-0.0446	-0.1086	0.4910	-0.5445	-0.0457
107	46.22	0.08	9.2633	-0.3625	0.8240	3.0557	-0.0514	-0.0974	0.4557	-0.5930	-0.0390
108	46.42	0.07	9.4451	-0.3551	0.8478	2.9687	-0.0431	-0.1008	0.4649	-0.5596	-0.0465
109	46.58	0.08	9.4615	-0.4551	0.9220	2.9449	-0.0430	-0.1079	0.4952	-0.6040	-0.0481
110	46.73	0.07	9.4418	-0.2275	0.8100	2.9805	-0.0424	-0.1250	0.4957	-0.6206	-0.0241
111	46.92	0.07	9.5678	-0.3588	0.8547	3.1239	-0.0395	-0.1288	0.4901	-0.6188	-0.0374
112	47.09	0.07	9.5588	-0.2435	0.8626	3.0107	-0.0393	-0.1247	0.4952	-0.6158	-0.0257
113	47.26	0.08	9.6015	-0.2350	0.7346	3.2040	-0.0285	-0.1495	0.4817	-0.6311	-0.0249
114	47.43	0.06	9.7144	-0.3723	0.8600	3.1345	-0.0206	-0.1415	0.4930	-0.6348	-0.0389
115	47.60	0.08	9.6552	-0.1343	0.7544	3.1804	-0.0200	-0.1652	0.4618	-0.6469	-0.0135
116	47.77	0.07	9.8032	-0.3389	0.7656	3.0000	-0.0276	-0.1594	0.4920	-0.6513	-0.0346
117	47.94	0.08	9.7823	-0.1103	0.7010	3.1158	-0.0273	-0.1768	0.4676	-0.6446	-0.0113
118	48.10	0.05	9.6814	-0.1115	0.6020	2.9609	-0.0336	-0.1832	0.4631	-0.6463	0.0116
119	48.25	0.05	9.6116	-0.3052	0.8052	2.8213	-0.0406	-0.2117	0.4342	-0.6459	0.0322
120	48.41	0.03	9.4016	1.2255	0.4641	2.3305	-0.0305	-0.2122	0.3876	-0.6558	0.1308
121	48.58	0.02	9.2848	1.4653	0.3247	1.4883	-0.0372	-0.2570	0.3722	-0.6691	0.1576
122	48.74	0.01	9.2062	1.5720	0.2400	1.4659	-0.0367	-0.3065	0.3724	-0.6789	0.1654
123	48.92	0.02	9.3687	1.4392	0.3300	1.5217	-0.0222	-0.3063	0.3750	-0.6853	0.1536
124	49.11	0.01	9.4487	1.4211	0.2547	2.1134	-0.0224	-0.2549	0.4194	-0.6764	0.1366
125	49.27	0.00	9.3654	1.7214	0.2070	1.7768	-0.0139	-0.3055	0.3860	-0.6745	0.1844
126	49.45	0.03	9.0105	0.9605	0.4600	2.4444	-0.0295	-0.2613	0.4175	-0.6585	0.0579
127	49.61	0.02	9.4087	1.5336	0.3557	2.0221	-0.0209	-0.2853	0.4054	-0.6908	0.1388
128	49.78	-0.00	9.5244	1.5787	0.1041	1.5509	-0.0131	-0.3060	0.3576	-0.7058	0.1658
129	49.97	0.03	9.9687	0.6004	0.5196	2.2082	-0.0213	-0.2772	0.4386	-0.7139	0.0602
130	50.14	0.04	10.0171	0.4505	0.3407	2.4125	-0.0295	-0.2424	0.4641	-0.7086	0.0456
131	50.29	0.04	10.0216	0.5562	0.5377	2.2667	-0.0295	-0.2577	0.4557	-0.7135	0.0593
132	50.46	0.05	10.1535	0.1767	0.6052	2.4637	-0.0294	-0.2401	0.4604	-0.7006	0.0174
133	50.64	0.05	10.1019	0.2425	0.6507	2.5677	-0.0215	-0.2695	0.4585	-0.7281	0.0042
134	50.80	0.05	10.3783	0.0552	0.6280	2.5180	-0.0209	-0.2651	0.4453	-0.7105	0.0033
135	50.99	0.05	10.8851	-0.2457	0.6236	3.3218	-0.0369	-0.2552	0.4916	-0.7468	-0.0604
136	51.16	0.04	10.7763	-0.7000	0.4419	3.3888	-0.0239	-0.2212	0.5042	-0.7254	-0.0650
137	51.33	0.05	11.1016	-1.0605	0.4100	4.2699	-0.0264	-0.2339	0.5288	-0.7807	-0.0574
138	51.51	0.05	11.1414	-1.2360	0.4131	4.3419	-0.0266	-0.2325	0.5393	-0.7718	-0.1109

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX	Y	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	140	0.80	1.7	C.C	81BCF23	C.C	0	-20	0	-20	UNKNOWN
PLINT	ALPHA	BETA	LM	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP
139	51.58	0.08	11.273E	-1.2000	0.4068	4.4572	-0.0341	-0.2359	0.5418	-0.7777	-0.1064
140	51.84	0.07	11.254E	-1.1866	0.6570	4.5347	-0.0348	-0.2303	0.5503	-0.7806	-0.1054
141	52.00	0.06	11.3335	-1.3662	0.5068	4.3657	-0.0411	-0.2366	0.5398	-0.7764	-0.1205
142	52.16	0.07	11.3501	-1.2715	0.6601	4.3949	-0.0410	-0.2405	0.5515	-0.7580	-0.1126
143	52.34	0.04	11.5125	-1.4352	0.8250	4.4558	-0.0490	-0.2632	0.5269	-0.7901	-0.1250
144	52.51	0.04	11.5256	-1.4114	0.7354	4.5132	-0.0489	-0.2474	0.5498	-0.7970	-0.1225
145	52.68	0.11	11.6462	-1.4671	1.0665	4.1254	-0.0405	-0.2751	0.5230	-0.7981	-0.1277
146	52.85	0.12	11.7234	-1.4555	1.2050	3.6227	-0.0312	-0.2855	0.5204	-0.8119	-0.1242
147	53.01	0.12	11.7667	-1.4143	1.3772	3.3856	-0.0155	-0.2845	0.5276	-0.8123	-0.1260
148	53.18	0.12	11.8678	-1.5065	1.4702	3.0754	-0.0069	-0.2850	0.5273	-0.8129	-0.1269
149	53.35	0.12	12.0655	-1.6816	1.5015	2.7559	0.0315	-0.2789	0.5331	-0.8050	-0.1394
150	53.50	0.13	12.1019	-1.5859	1.6430	2.4767	0.0399	-0.2853	0.5239	-0.8052	-0.1254
151	53.67	0.13	12.2431	-1.7807	1.7057	2.2586	0.0464	-0.2791	0.5287	-0.8078	-0.1454
152	53.82	0.12	12.1239	-1.5783	1.6077	2.5538	0.0404	-0.2928	0.5142	-0.8119	-0.1302
153	53.98	0.12	12.2538	-1.5903	1.5728	2.2634	0.0415	-0.2939	0.5256	-0.8192	-0.1298
154	54.14	0.13	12.4141	-1.7854	1.6848	2.0205	0.0573	-0.2908	0.5254	-0.8221	-0.1438
155	54.28	0.12	12.3321	-1.6522	1.6256	2.3254	0.0635	-0.2926	0.5383	-0.8308	-0.1340
156	54.46	0.13	12.7378	-2.0212	1.6300	2.4137	0.0571	-0.2706	0.5484	-0.8190	-0.1587
157	54.61	0.11	12.5580	-1.7335	1.3885	2.5144	0.0568	-0.2858	0.5422	-0.8280	-0.1381
158	54.78	0.11	12.6235	-2.0477	1.4490	2.5702	0.0572	-0.2801	0.5632	-0.8313	-0.1567
159	54.92	0.12	12.7778	-1.9377	1.5251	2.2851	0.0580	-0.2875	0.5470	-0.8345	-0.1516
160	55.08	0.11	12.8600	-1.9625	1.4680	2.4470	0.0578	-0.2725	0.5526	-0.8251	-0.1526
161	55.26	0.11	12.9572	-1.8748	1.3836	2.4595	0.0584	-0.2803	0.5602	-0.8482	-0.1647
162	55.44	0.11	13.1975	-2.2922	1.4070	2.3525	0.0592	-0.2808	0.5754	-0.8442	-0.1737
163	55.64	0.12	13.2287	-2.5467	1.4846	2.6014	0.0586	-0.2831	0.5769	-0.8600	-0.1547
164	55.79	0.12	13.3431	-2.3850	1.5815	2.4518	0.0600	-0.2707	0.5417	-0.8605	-0.1784
165	55.98	0.11	13.4636	-2.2562	1.3516	2.4255	0.0748	-0.2654	0.5948	-0.8602	-0.1706
166	56.14	0.10	13.5185	-2.3730	1.5205	2.3027	0.0576	-0.2796	0.5486	-0.8783	-0.1755
167	56.29	0.10	13.4652	-2.1658	1.3065	2.3111	0.0604	-0.2794	0.5846	-0.8640	-0.1611
168	56.45	0.09	13.4062	-2.1636	1.3068	2.7000	0.0667	-0.2792	0.5910	-0.8703	-0.1604
169	56.60	0.07	13.4847	-2.1610	1.0773	2.7538	0.0569	-0.2662	0.5558	-0.8620	-0.1605
170	56.75	0.06	13.5046	-2.1658	0.9999	2.4528	0.0610	-0.2719	0.6048	-0.8708	-0.1607
171	56.89	0.09	13.5052	-2.1535	1.3410	2.4592	0.0634	-0.2696	0.6086	-0.8783	-0.1599
172	57.03	0.08	13.5140	-2.1545	1.2415	2.6302	0.0599	-0.2717	0.6077	-0.8795	-0.1624
173	57.18	0.07	13.5238	-1.9671	1.0216	2.5763	0.0608	-0.2676	0.6147	-0.8824	-0.1455
174	57.32	0.06	13.5110	-2.1647	0.5787	2.3752	0.0615	-0.2508	0.6155	-0.8864	-0.1602
175	57.47	0.07	13.5150	-2.1319	1.0311	2.5138	0.0681	-0.2657	0.6213	-0.8871	-0.1577
176	57.62	0.05	13.5257	-1.9265	0.8702	2.5250	0.0685	-0.2653	0.6211	-0.9065	-0.1424
177	57.78	0.05	13.6736	-2.0718	0.6864	2.4228	0.0621	-0.2709	0.6226	-0.8936	-0.1515
178	57.84	0.05	13.4534	-2.0657	0.7773	2.4415	0.0614	-0.2657	0.6206	-0.8874	-0.1553
179	57.85	0.05	13.4815	-1.9003	0.8459	2.2735	0.0621	-0.2734	0.6214	-0.8949	-0.1410

PAGE 2 OF 3
SHEET 1 OF 4

MANTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: RXTG-6		PHI	LCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 140 0.00 1.0		0.0	0.0	0.0	0	-20	0	-20	UNKNOWN
PCINT	ALPHA	BETA	LCNF1	LCNF2	LCNF3	LCNF4	LCNF5	LCNF6	LCNF7
1	-5.68	0.02	-0.0358	-0.0358	-0.0358	-0.0358	-0.0358	-0.0358	-0.0358
2	-5.68	0.01	-0.0354	-0.0354	-0.0354	-0.0354	-0.0354	-0.0354	-0.0354
3	-5.68	0.01	-0.0303	-0.0303	-0.0303	-0.0303	-0.0303	-0.0303	-0.0303
4	-5.64	0.06	-0.0414	-0.0414	-0.0414	-0.0414	-0.0414	-0.0414	-0.0414
5	-5.34	0.06	-0.0448	-0.0448	-0.0448	-0.0448	-0.0448	-0.0448	-0.0448
6	-3.53	0.06	-0.0645	-0.0645	-0.0645	-0.0645	-0.0645	-0.0645	-0.0645
7	-1.60	0.06	-0.0621	-0.0621	-0.0621	-0.0621	-0.0621	-0.0621	-0.0621
8	0.01	0.01	-0.0067	-0.0067	-0.0067	-0.0067	-0.0067	-0.0067	-0.0067
9	1.79	0.01	-0.0025	-0.0025	-0.0025	-0.0025	-0.0025	-0.0025	-0.0025
10	3.57	0.01	-0.0167	-0.0167	-0.0167	-0.0167	-0.0167	-0.0167	-0.0167
11	5.35	0.06	-0.0136	-0.0136	-0.0136	-0.0136	-0.0136	-0.0136	-0.0136
12	7.14	0.01	-0.0070	-0.0070	-0.0070	-0.0070	-0.0070	-0.0070	-0.0070
13	8.86	0.06	-0.0125	-0.0125	-0.0125	-0.0125	-0.0125	-0.0125	-0.0125
14	10.67	0.06	-0.0252	-0.0252	-0.0252	-0.0252	-0.0252	-0.0252	-0.0252
15	12.46	0.06	-0.0311	-0.0311	-0.0311	-0.0311	-0.0311	-0.0311	-0.0311
16	14.22	0.06	-0.0344	-0.0344	-0.0344	-0.0344	-0.0344	-0.0344	-0.0344
17	16.07	-0.00	-0.0404	-0.0404	-0.0404	-0.0404	-0.0404	-0.0404	-0.0404
18	17.90	-0.01	-0.0339	-0.0339	-0.0339	-0.0339	-0.0339	-0.0339	-0.0339
19	19.70	-0.02	-0.0263	-0.0263	-0.0263	-0.0263	-0.0263	-0.0263	-0.0263
20	21.53	-0.04	-0.0184	-0.0184	-0.0184	-0.0184	-0.0184	-0.0184	-0.0184
21	23.37	-0.04	-0.0144	-0.0144	-0.0144	-0.0144	-0.0144	-0.0144	-0.0144
22	25.18	-0.03	-0.0123	-0.0123	-0.0123	-0.0123	-0.0123	-0.0123	-0.0123
23	27.01	-0.00	-0.0161	-0.0161	-0.0161	-0.0161	-0.0161	-0.0161	-0.0161
24	28.80	0.01	-0.0178	-0.0178	-0.0178	-0.0178	-0.0178	-0.0178	-0.0178
25	30.63	0.02	-0.0186	-0.0186	-0.0186	-0.0186	-0.0186	-0.0186	-0.0186
26	32.53	0.04	-0.0155	-0.0155	-0.0155	-0.0155	-0.0155	-0.0155	-0.0155
27	34.48	0.06	-0.0124	-0.0124	-0.0124	-0.0124	-0.0124	-0.0124	-0.0124
28	36.47	0.01	-0.0051	-0.0051	-0.0051	-0.0051	-0.0051	-0.0051	-0.0051
29	38.55	0.02	-0.0172	-0.0172	-0.0172	-0.0172	-0.0172	-0.0172	-0.0172
30	40.63	0.01	-0.0123	-0.0123	-0.0123	-0.0123	-0.0123	-0.0123	-0.0123
31	42.72	0.03	-0.0077	-0.0077	-0.0077	-0.0077	-0.0077	-0.0077	-0.0077
32	44.80	0.03	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045
33	46.84	0.03	-0.0025	-0.0025	-0.0025	-0.0025	-0.0025	-0.0025	-0.0025
34	48.86	0.03	-0.0044	-0.0044	-0.0044	-0.0044	-0.0044	-0.0044	-0.0044
35	50.83	0.02	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142	-0.0142
36	52.77	0.02	-0.0120	-0.0120	-0.0120	-0.0120	-0.0120	-0.0120	-0.0120
37	54.63	0.04	-0.0125	-0.0125	-0.0125	-0.0125	-0.0125	-0.0125	-0.0125
38	56.48	0.04	-0.0114	-0.0114	-0.0114	-0.0114	-0.0114	-0.0114	-0.0114
39	58.34	0.03	-0.0069	-0.0069	-0.0069	-0.0069	-0.0069	-0.0069	-0.0069
40	60.21	0.05	-0.0107	-0.0107	-0.0107	-0.0107	-0.0107	-0.0107	-0.0107
41	62.06	0.05	-0.0127	-0.0127	-0.0127	-0.0127	-0.0127	-0.0127	-0.0127
42	63.84	0.05	-0.0144	-0.0144	-0.0144	-0.0144	-0.0144	-0.0144	-0.0144
43	65.57	0.05	-0.0150	-0.0150	-0.0150	-0.0150	-0.0150	-0.0150	-0.0150
44	67.23	0.04	-0.0121	-0.0121	-0.0121	-0.0121	-0.0121	-0.0121	-0.0121
45	68.88	0.05	-0.0120	-0.0120	-0.0120	-0.0120	-0.0120	-0.0120	-0.0120
46	70.52	0.06	-0.0125	-0.0125	-0.0125	-0.0125	-0.0125	-0.0125	-0.0125

PAGE 2 OF 3
 SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACF RX10-6												
7 14C 0.60 A.7 0.0 B10UP23 C.0 0 -20 0 -20 UNKNOWN												
PCINT	ALPHA	BETA	CNF1	CM1	Col	ALPF1	YCPF1	CNF2	CM2	C82	XCPF2	YCPF2
47	33.58	0.05	-0.1494	-0.0005	-0.0261	0.0058	0.1744	0.6154	0.0378	0.2306	0.0615	0.3747
48	34.21	0.04	-0.1377	-0.0054	-0.0224	0.0342	0.1640	0.6215	0.0378	0.2336	0.0608	0.3759
49	34.45	0.07	-0.1240	-0.0085	-0.0256	0.0518	0.1555	0.6252	0.0385	0.2327	0.0616	0.3722
50	34.71	0.07	-0.1404	-0.0044	-0.0222	0.0336	0.1516	0.6305	0.0378	0.2354	0.0600	0.3734
51	34.95	0.08	-0.0592	-0.0044	-0.0069	0.0447	-0.0700	0.6142	0.0378	0.2315	0.0618	0.3768
52	35.10	0.07	-0.0335	-0.0016	-0.0021	-0.0541	-0.0467	0.6209	0.0374	0.2307	0.0603	0.3716
53	35.42	0.07	0.1279	0.0305	0.0507	0.2383	0.7089	0.6308	0.0365	0.2302	0.0578	0.3645
54	35.65	0.06	0.2157	0.0360	0.1273	0.1784	0.5899	0.6340	0.0354	0.2356	0.0555	0.3716
55	35.88	0.07	0.2410	0.0417	0.1390	0.1729	0.5769	0.6471	0.0348	0.2380	0.0538	0.3678
56	36.12	0.06	0.2154	0.0355	0.1205	0.1631	0.5462	0.6469	0.0355	0.2406	0.0549	0.3720
57	36.36	0.07	0.0758	0.0246	0.0718	0.3333	0.5725	0.6404	0.0368	0.2386	0.0574	0.3725
58	36.59	0.07	0.0681	0.0233	0.0694	0.3414	1.0255	0.6404	0.0374	0.2376	0.0585	0.3710
59	36.83	0.07	0.0634	0.0206	0.0603	0.3257	0.9513	0.6403	0.0366	0.2402	0.0574	0.3751
60	37.06	0.06	0.0664	0.0242	0.0660	0.2804	0.7732	0.6533	0.0362	0.2451	0.0554	0.3751
61	37.28	0.07	-0.0316	-0.0056	-0.0124	-0.1825	-0.3902	0.6468	0.0374	0.2420	0.0579	0.3742
62	37.52	0.07	-0.0711	-0.0005	-0.0038	0.0068	0.0529	0.6489	0.0371	0.2416	0.0571	0.3726
63	37.75	0.07	-0.1932	-0.0246	-0.0451	-0.1274	0.2333	0.6488	0.0377	0.2416	0.0581	0.3727
64	37.98	0.06	-0.0577	-0.0374	-0.0730	0.1441	0.2834	0.6551	0.0377	0.2475	0.0576	0.3778
65	38.22	0.06	-0.2552	-0.0730	-0.1581	0.1581	0.2862	0.6630	0.0374	0.2512	0.0565	0.3788
66	38.44	0.06	-0.2606	-0.0524	-0.1007	0.1007	0.2808	0.6728	0.0371	0.2533	0.0552	0.3765
67	38.68	0.06	-0.3118	-0.0556	-0.0506	0.1912	0.2905	0.6857	0.0369	0.2608	0.0537	0.3803
68	38.88	0.05	-0.2651	-0.0505	-0.0625	0.1565	0.2667	0.6956	0.0365	0.2617	0.0524	0.3762
69	39.13	0.06	-0.2546	-0.0573	-0.0681	0.1546	0.2922	0.7053	0.0362	0.2663	0.0513	0.3776
70	39.29	0.06	-0.2605	-0.0504	-0.0744	0.1526	0.2356	0.7067	0.0358	0.2653	0.0505	0.3744
71	39.52	0.10	-0.2041	-0.0358	-0.0511	0.1953	0.2506	0.7054	0.0362	0.2637	0.0513	0.3738
72	39.71	0.06	-0.1958	-0.0314	-0.0463	0.1602	0.2469	0.7087	0.0355	0.2653	0.0501	0.3744
73	39.90	0.08	-0.2270	-0.0371	-0.0557	0.1636	0.2631	0.7184	0.0355	0.2687	0.0494	0.3740
74	40.11	0.06	-0.2015	-0.0256	-0.0336	0.1269	0.2663	0.7120	0.0352	0.2669	0.0455	0.3748
75	40.31	0.06	-0.1820	-0.0242	-0.0342	0.1495	0.2708	0.7251	0.0343	0.2692	0.0472	0.3713
76	40.52	0.08	-0.1852	-0.0364	-0.0387	0.1505	0.2990	0.7397	0.0343	0.2748	0.0463	0.3715
77	40.73	0.08	-0.2046	-0.0391	-0.0455	0.1909	0.2438	0.7396	0.0346	0.2748	0.0468	0.3716
78	40.94	0.05	-0.1862	-0.0435	-0.0357	0.2312	0.1896	0.7542	0.0340	0.2816	0.0447	0.3710
79	41.14	0.03	-0.2106	-0.0440	-0.0483	0.2089	0.2295	0.7657	0.0333	0.2847	0.0435	0.3718
80	41.34	0.04	-0.2136	-0.0521	-0.0454	0.2434	0.2127	0.7658	0.0333	0.2835	0.0435	0.3702
81	41.53	0.08	-0.2365	-0.0453	-0.0617	0.1898	0.2581	0.7624	0.0333	0.2832	0.0437	0.3714
82	41.74	0.05	-0.2360	-0.0521	-0.0580	0.2208	0.2457	0.7724	0.0330	0.2853	0.0427	0.3654
83	41.91	0.07	-0.2384	-0.0422	-0.0685	0.1789	0.2788	0.7789	0.0323	0.2858	0.0419	0.3685
84	42.05	0.06	-0.2301	-0.0355	-0.0610	0.1736	0.2675	0.7724	0.0320	0.2866	0.0415	0.3710
85	42.28	0.08	-0.2737	-0.0566	-0.0713	0.2069	0.2605	0.7870	0.0327	0.2896	0.0416	0.3673
86	42.47	0.05	-0.2506	-0.0603	-0.0704	0.2075	0.2699	0.7964	0.0320	0.2929	0.0402	0.3676
87	42.63	0.08	-0.2754	-0.0544	-0.0745	0.1548	0.2659	0.8002	0.0320	0.2932	0.0400	0.3665
88	42.82	0.05	-0.2852	-0.0518	-0.0751	0.2020	0.2632	0.8003	0.0314	0.2920	0.0392	0.3648
89	43.01	0.08	-0.3136	-0.0556	-0.0872	0.1903	0.2782	0.8067	0.0314	0.2984	0.0389	0.3674
90	43.20	0.05	-0.3141	-0.0568	-0.0835	0.1435	0.2657	0.8134	0.0311	0.2964	0.0382	0.3650
91	43.34	0.08	-0.3429	-0.0625	-0.0918	0.1823	0.2678	0.8198	0.0311	0.2986	0.0379	0.3645
92	43.55	0.05	-0.3467	-0.0643	-0.0905	0.1892	0.2656	0.8261	0.0302	0.3038	0.0365	0.3668

PAGE 4 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIS			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 140 0.8C 1.7			0.0	010023	C.C	0	-20	0	-20	UNKNOWN		
PCINT	ALPHA	BETA	CNF1	CH1	COL	ALPF1	YCPF1	CNF2	CH2	COL	XCPF2	YCPF2
93	43.73	0.05	-0.3584	-0.3584	-0.0524	0.1812	0.2579	0.8346	0.0332	0.3057	0.0362	0.3662
94	43.70	0.05	-0.3583	-0.3583	-0.0521	0.1840	0.2424	0.8347	0.0332	0.3044	0.0362	0.3647
95	44.13	0.05	-0.3537	-0.3537	-0.0520	0.1838	0.2355	0.8380	0.0332	0.3060	0.0360	0.3651
96	44.30	0.05	-0.3511	-0.3511	-0.0516	0.1819	0.2347	0.8401	0.0298	0.3101	0.0352	0.3665
97	44.47	0.05	-0.3507	-0.3507	-0.0510	0.1878	0.2162	0.8544	0.0266	0.3125	0.0335	0.3638
98	44.64	0.05	-0.3535	-0.3535	-0.0521	0.1753	0.2100	0.8613	0.0236	0.3121	0.0334	0.3625
99	44.82	0.05	-0.3522	-0.3522	-0.0536	0.1697	0.1884	0.8512	0.0294	0.3088	0.0346	0.3627
100	45.01	0.05	-0.3577	-0.3577	-0.0520	0.1635	0.1815	0.8626	0.0287	0.3157	0.0332	0.3600
101	45.16	0.05	-0.3536	-0.3536	-0.0515	0.1611	0.1771	0.8628	0.0287	0.3106	0.0332	0.3600
102	45.35	0.05	-0.3522	-0.3522	-0.0515	0.1606	0.1756	0.8611	0.0280	0.3125	0.0325	0.3626
103	45.53	0.05	-0.3526	-0.3526	-0.0527	0.1593	0.1770	0.8607	0.0277	0.3168	0.0314	0.3597
104	45.70	0.05	-0.3523	-0.3523	-0.0527	0.1521	0.1233	0.8640	0.0273	0.3183	0.0305	0.3601
105	45.88	0.05	-0.3574	-0.3574	-0.0535	0.1565	0.1067	0.8872	0.0266	0.3212	0.0300	0.3620
106	46.04	0.05	-0.3522	-0.3522	-0.0522	0.1573	0.1029	0.9035	0.0263	0.3252	0.0292	0.3556
107	46.22	0.05	-0.3573	-0.3573	-0.0522	0.1542	0.1006	0.8938	0.0266	0.3217	0.0298	0.3555
108	46.42	0.05	-0.3522	-0.3522	-0.0522	0.1511	0.0852	0.9050	0.0257	0.3286	0.0284	0.3632
109	46.58	0.05	-0.3574	-0.3574	-0.0535	0.1562	0.0849	0.9064	0.0260	0.3251	0.0286	0.3578
110	46.73	0.05	-0.3536	-0.3536	-0.0535	0.1451	0.0740	0.9020	0.0260	0.3220	0.0288	0.3570
111	46.92	0.05	-0.3517	-0.3517	-0.0520	0.1466	0.0628	0.9117	0.0257	0.3266	0.0282	0.3582
112	47.09	0.05	-0.3537	-0.3537	-0.0520	0.1405	0.0844	0.9101	0.0250	0.3310	0.0272	0.3604
113	47.26	0.05	-0.3526	-0.3526	-0.0515	0.1419	0.0968	0.9229	0.0246	0.3322	0.0267	0.3600
114	47.43	0.05	-0.3535	-0.3535	-0.0517	0.1463	0.0735	0.9326	0.0240	0.3369	0.0258	0.3613
115	47.60	0.05	-0.3571	-0.3571	-0.0535	0.1362	0.1342	0.9357	0.0240	0.3410	0.0257	0.3644
116	47.77	0.05	-0.3526	-0.3526	-0.0535	0.1428	0.1118	0.9457	0.0233	0.3392	0.0247	0.3587
117	47.94	0.05	-0.3537	-0.3537	-0.0535	0.1377	0.1576	0.9360	0.0233	0.3359	0.0249	0.3588
118	48.10	0.05	-0.3524	-0.3524	-0.0535	0.1319	0.1622	0.9457	0.0220	0.3405	0.0233	0.3601
119	48.25	0.05	-0.3526	-0.3526	-0.0531	0.1338	0.1604	0.9555	0.0220	0.3414	0.0230	0.3573
120	48.41	0.05	-0.3525	-0.3525	-0.0528	0.1303	0.2102	0.9572	0.0214	0.3472	0.0224	0.3627
121	48.58	0.05	-0.3575	-0.3575	-0.0545	0.1362	0.2529	0.9671	0.0207	0.3505	0.0215	0.3625
122	48.74	0.05	-0.3526	-0.3526	-0.0541	0.1414	0.2369	0.9752	0.0201	0.3495	0.0206	0.3584
123	48.92	0.05	-0.3522	-0.3522	-0.0535	0.1374	0.2291	0.9686	0.0201	0.3502	0.0207	0.3615
124	49.11	0.05	-0.3524	-0.3524	-0.0535	0.1623	0.2694	0.9623	0.0191	0.3457	0.0199	0.3593
125	49.27	0.05	-0.3534	-0.3534	-0.0542	0.1708	0.2636	0.9637	0.0195	0.3532	0.0198	0.3551
126	49.45	0.05	-0.3516	-0.3516	-0.0531	0.1580	0.2967	0.9708	0.0198	0.3470	0.0204	0.3574
127	49.61	0.05	-0.3523	-0.3523	-0.0544	0.1595	0.3055	0.9708	0.0192	0.3483	0.0198	0.3588
128	49.76	0.05	-0.3514	-0.3514	-0.0533	0.1555	0.2782	0.9935	0.0182	0.3554	0.0184	0.3577
129	49.97	0.05	-0.3525	-0.3525	-0.0542	0.1567	0.3127	0.9727	0.0189	0.3502	0.0194	0.3601
130	50.14	0.05	-0.3525	-0.3525	-0.0522	0.1540	0.3449	0.9600	0.0189	0.3463	0.0197	0.3563
131	50.25	0.05	-0.3526	-0.3526	-0.0546	0.1510	0.3420	0.9796	0.0182	0.3431	0.0186	0.3562
132	50.40	0.05	-0.3526	-0.3526	-0.0546	0.1475	0.3464	0.9750	0.0182	0.3432	0.0187	0.3520
133	50.64	0.05	-0.3522	-0.3522	-0.0535	0.1512	0.3225	0.9833	0.0183	0.3470	0.0186	0.3525
134	50.80	0.05	-0.3526	-0.3526	-0.0535	0.1599	0.2792	0.9962	0.0200	0.3533	0.0200	0.3547
135	50.99	0.05	-0.3511	-0.3511	-0.0535	0.1485	0.2877	1.0117	0.0183	0.3526	0.0181	0.3685
136	51.10	0.05	-0.3524	-0.3524	-0.0542	0.1460	0.2699	1.0004	0.0204	0.3469	0.0204	0.3667
137	51.33	0.05	-0.3526	-0.3526	-0.0531	0.1618	0.2286	1.0394	0.0204	0.3659	0.0196	0.3520
138	51.51	0.05	-0.3527	-0.3527	-0.0535	0.1634	0.2053	1.0451	0.0197	0.3630	0.0188	0.3473

PAGE 2 OF 3
SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH REIG-6 PHI CCNF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
7	148	0.80	1.7	C.C	B1-0F23	C.C	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CL1	ACPF1	YCPF1	CNF2	CH2	CB2	ACPF2	YCPF2
139	51.68	0.06	-0.02750	-0.03435	-0.03566	0.1596	0.2060	1.0800	0.0184	0.3769	0.0171	0.3490
140	51.84	0.07	-0.02690	-0.03481	-0.03734	0.1595	0.2376	1.0702	0.0181	0.3721	0.0169	0.3476
141	52.00	0.08	-0.02559	-0.03457	-0.03748	0.1525	0.2494	1.0705	0.0168	0.3688	0.0157	0.3427
142	52.16	0.07	-0.03138	-0.03473	-0.03701	0.1507	0.2236	1.0978	0.0172	0.3769	0.0156	0.3433
143	52.34	0.09	-0.02362	-0.03478	-0.03534	0.1412	0.2762	1.0864	0.0152	0.3667	0.0140	0.3376
144	52.51	0.08	-0.03530	-0.03456	-0.03950	0.1405	0.2692	1.0982	0.0152	0.3716	0.0139	0.3383
145	52.68	0.11	-0.03363	-0.03455	-0.03253	0.1366	0.2537	1.0945	0.0145	0.3655	0.0136	0.3375
146	52.85	0.12	-0.02881	-0.03304	-0.03768	0.1288	0.2885	1.0887	0.0146	0.3615	0.0134	0.3321
147	53.01	0.12	-0.02051	-0.03288	-0.03481	0.1308	0.2347	1.0955	0.0135	0.3554	0.0127	0.3281
148	53.18	0.12	-0.01888	-0.03205	-0.03271	0.1242	0.1608	1.0887	0.0139	0.3615	0.0128	0.3321
149	53.35	0.12	-0.03100	-0.03027	-0.03314	-0.2692	-3.1250	1.0557	0.0158	0.3470	0.0150	0.3287
150	53.50	0.13	-0.03010	-0.03023	-0.03416	2.4600	43.1000	1.0425	0.0165	0.3406	0.0158	0.3267
151	53.67	0.13	-0.03056	-0.03027	-0.03288	-0.2800	-2.9900	1.0758	0.0152	0.3512	0.0142	0.3265
152	53.82	0.12	-0.03455	-0.03014	-0.03167	0.0458	-0.6340	1.0724	0.0152	0.3483	0.0142	0.3248
153	53.98	0.12	-0.03014	-0.03041	0.03350	-2.8000	-26.2000	1.0580	0.0159	0.3410	0.0150	0.3223
154	54.14	0.13	-0.03113	-0.03055	-0.03005	-0.4872	-3.5897	1.0447	0.0166	0.3386	0.0159	0.3241
155	54.28	0.12	-0.02060	-0.03073	-0.03332	-0.3551	-2.5748	1.0468	0.0175	0.3353	0.0165	0.3263
156	54.48	0.13	-0.03170	-0.03050	-0.03374	-0.2955	-2.2045	1.0468	0.0166	0.3368	0.0155	0.3216
157	54.61	0.11	-0.03089	-0.03073	-0.03454	-0.8261	-5.5652	1.0501	0.0166	0.3369	0.0158	0.3204
158	54.78	0.11	-0.03198	-0.03041	-0.03358	-0.2098	-1.8098	1.0533	0.0159	0.3411	0.0151	0.3238
159	54.92	0.12	-0.03117	-0.03037	-0.03444	-0.3140	-3.8016	1.0566	0.0152	0.3427	0.0144	0.3244
160	55.08	0.11	-0.03023	-0.03041	-0.03390	-0.1254	-1.2239	1.0315	0.0173	0.3305	0.0167	0.3208
161	55.26	0.11	-0.03368	-0.03027	-0.03414	-0.0700	-1.0725	1.0249	0.0173	0.3290	0.0165	0.3210
162	55.44	0.11	-0.03438	-0.03037	-0.03344	-0.0837	-0.7863	1.0580	0.0159	0.3423	0.0150	0.3236
163	55.64	0.12	-0.03058	-0.03037	-0.03414	-0.0722	-0.8156	1.0380	0.0166	0.3367	0.0160	0.3244
164	55.79	0.12	-0.03212	-0.03024	-0.03467	-0.2340	-1.7163	1.0448	0.0162	0.3373	0.0155	0.3229
165	55.98	0.11	-0.03274	-0.03050	-0.03450	-0.1831	-1.7867	1.0559	0.0152	0.3430	0.0144	0.3248
166	56.14	0.10	-0.03385	-0.03041	-0.03435	-0.1042	-1.1290	1.0626	0.0152	0.3436	0.0143	0.3233
167	56.29	0.10	-0.03477	-0.03045	-0.03417	-0.0551	-0.8745	1.0507	0.0155	0.3381	0.0148	0.3218
168	56.45	0.09	-0.03537	-0.03037	-0.03434	-0.0662	-0.8079	1.0320	0.0158	0.3321	0.0153	0.3218
169	56.60	0.07	-0.03567	-0.03037	-0.03431	-0.0646	-0.7802	1.0451	0.0151	0.3385	0.0145	0.3235
170	56.75	0.06	-0.03573	-0.03022	-0.03481	-0.0387	-0.8384	1.0254	0.0145	0.3355	0.0145	0.3272
171	56.89	0.08	-0.03634	-0.03018	-0.03487	-0.0289	-0.7686	1.0365	0.0151	0.3352	0.0146	0.3267
172	57.03	0.08	-0.03815	-0.03014	-0.03493	-0.0166	-0.8347	1.0306	0.0151	0.3366	0.0146	0.3241
173	57.16	0.07	-0.03952	-0.03005	-0.03460	-0.0088	-0.4640	1.0386	0.0145	0.3375	0.0139	0.3253
174	57.32	0.06	-0.03845	-0.03005	-0.03434	-0.0037	-0.6352	1.0663	0.0138	0.3463	0.0129	0.3248
175	57.47	0.07	-0.03883	-0.03005	-0.03371	-0.0127	-0.9816	1.0542	0.0138	0.3434	0.0131	0.3257
176	57.62	0.05	-0.03805	-0.03005	-0.03406	-0.0048	-0.8905	1.0325	0.0138	0.3372	0.0134	0.3266
177	57.78	0.05	-0.03204	-0.03014	-0.03523	-0.0112	-0.4343	1.0852	0.0131	0.3451	0.0123	0.3277
178	57.84	0.05	-0.03167	-0.03014	-0.03501	-0.0114	-0.5488	1.0507	0.0130	0.3452	0.0123	0.3267
179	57.85	0.05	-0.03162	-0.03022	-0.03513	-0.0170	-0.4707	1.0503	0.0137	0.3421	0.0130	0.3258

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIC-6			PRT CONF		CEL1 CEL2 CEL3 CEL4 TRANSITION							
7 146 0.00 1.7			C.C B10CF23 C.C		0 -20 0 -20 UNKNOWN							
PCINT	ALPHA	BETA	LNFB	LN3	C03	ACPF3	YCPF3	CNF4	CH4	C84	ACPF4	YCPF4
1	-5.68	0.02	0.0453	9.9999	-0.0022	9.9999	-0.0490	-0.6681	-0.0288	-0.2211	0.0430	0.3310
2	-5.68	0.01	0.0422	9.9999	-0.0014	9.9999	-0.0320	-0.6747	-0.0288	-0.2210	0.0426	0.3285
3	-5.68	0.01	0.0511	9.9999	-0.0006	9.9999	-0.0113	-0.6681	-0.0288	-0.2199	0.0430	0.3291
4	-5.69	0.00	0.0453	9.9999	-0.0011	9.9999	-0.0235	-0.6686	-0.0288	-0.2201	0.0433	0.3304
5	-5.34	0.00	0.0333	9.9999	-0.0032	9.9999	-0.0957	-0.6560	-0.0288	-0.2150	0.0440	0.3287
6	-3.53	0.00	0.0153	9.9999	-0.0005	9.9999	-0.0450	-0.6640	-0.0352	-0.2570	0.0358	0.3360
7	-1.80	0.00	0.0152	9.9999	-0.0006	9.9999	-0.0336	-0.6609	-0.0381	-0.3095	0.0430	0.3454
8	0.01	0.01	0.0352	9.9999	-0.0028	9.9999	-0.0303	-0.8353	-0.0439	-0.2442	0.0526	0.3522
9	1.79	0.01	0.0121	9.9999	-0.0014	9.9999	-0.0120	-0.7347	-0.0439	-0.2484	0.0558	0.3381
10	3.57	0.01	0.0051	9.9999	-0.0009	9.9999	-0.0532	-0.6605	-0.0475	-0.2163	0.0718	0.3246
11	5.33	0.00	0.0030	9.9999	-0.0014	9.9999	-0.0839	-0.5505	-0.0502	-0.2026	0.0850	0.3431
12	7.14	0.01	0.0001	9.9999	-0.0012	9.9999	-0.0000	-0.4405	-0.0443	-0.1665	0.0903	0.3434
13	8.86	0.00	-0.0005	9.9999	-0.0026	9.9999	-0.0000	-0.3420	-0.0359	-0.1147	0.1045	0.3354
14	10.67	0.00	0.0001	9.9999	-0.0012	9.9999	-0.0000	-0.2043	-0.0242	-0.0505	0.1186	0.2768
15	12.44	0.00	0.0150	9.9999	-0.0023	9.9999	0.1546	-0.0062	-0.0068	-0.0164	0.0888	0.1670
16	14.22	0.00	0.0210	9.9999	-0.0005	9.9999	0.0229	-0.0303	0.0155	0.0115	-0.5127	-0.3790
17	16.07	-0.00	0.0422	9.9999	-0.0021	9.9999	0.0503	0.0574	0.0401	0.0510	0.6592	0.6851
18	17.90	-0.01	0.0056	9.9999	-0.0133	9.9999	-0.0000	0.1040	0.0616	0.1047	0.3247	0.5522
19	19.70	-0.02	0.0156	9.9999	-0.0151	9.9999	-0.0573	0.3329	0.0783	0.1588	0.2356	0.4771
20	21.53	-0.02	0.0103	9.9999	-0.0073	9.9999	-0.0644	0.4522	0.0645	0.2051	0.1865	0.4623
21	23.37	-0.03	0.0075	9.9999	-0.0311	9.9999	-0.1262	0.5429	0.0706	0.2357	0.1301	0.4342
22	25.18	-0.03	0.0014	9.9999	-0.0045	9.9999	-0.0715	0.5273	0.0714	0.2412	0.1354	0.4575
23	27.01	-0.00	0.0563	9.9999	-0.0176	9.9999	-0.0346	0.5397	0.0625	0.2514	0.1166	0.4659
24	27.60	0.01	0.0043	9.9999	-0.0173	9.9999	-0.0288	0.5347	0.0556	0.2453	0.1043	0.4663
25	28.03	0.02	0.0563	9.9999	-0.0185	9.9999	-0.3245	0.5285	0.0542	0.2487	0.1026	0.4707
26	28.33	0.01	0.0456	9.9999	-0.0032	9.9999	-0.0069	0.5104	0.0501	0.2400	0.0981	0.4701
27	28.68	0.02	0.0566	9.9999	-0.0225	9.9999	-0.3339	0.5043	0.0478	0.2410	0.0947	0.4794
28	28.97	0.01	0.0565	9.9999	-0.0185	9.9999	-0.3234	0.5076	0.0481	0.2433	0.0948	0.4794
29	29.25	0.02	0.0703	9.9999	-0.0145	9.9999	-0.2058	0.5114	0.0468	0.2460	0.0915	0.4811
30	29.53	0.01	0.0646	9.9999	-0.0157	9.9999	-0.3045	0.5057	0.0464	0.2448	0.0927	0.4841
31	29.82	0.03	0.0704	9.9999	-0.0145	9.9999	-0.2055	0.5058	0.0466	0.2473	0.0921	0.4889
32	30.08	0.03	0.0706	9.9999	-0.0164	9.9999	-0.2377	0.5127	0.0459	0.2485	0.0896	0.4855
33	30.34	0.03	0.0706	9.9999	-0.0166	9.9999	-0.2377	0.5125	0.0458	0.2527	0.0890	0.4927
34	30.62	0.03	0.0567	9.9999	-0.0213	9.9999	-0.3035	0.4993	0.0459	0.2480	0.0920	0.4966
35	30.86	0.02	0.0565	9.9999	-0.0176	9.9999	-0.3036	0.5095	0.0456	0.2538	0.0896	0.4980
36	31.17	0.02	0.0567	9.9999	-0.0150	9.9999	-0.3240	0.5035	0.0457	0.2538	0.0908	0.5036
37	31.43	0.04	0.0570	9.9999	-0.0206	9.9999	-0.3046	0.5006	0.0457	0.2548	0.0914	0.5091
38	31.70	0.04	0.0567	9.9999	-0.0150	9.9999	-0.3240	0.4937	0.0460	0.2531	0.0932	0.5126
39	31.96	0.03	0.0447	9.9999	-0.0157	9.9999	-0.3040	0.5040	0.0457	0.2563	0.0908	0.5089
40	32.21	0.03	0.0567	9.9999	-0.0150	9.9999	-0.3240	0.4700	0.0470	0.2494	0.0966	0.5233
41	32.46	0.03	0.0676	9.9999	-0.0155	9.9999	-0.2354	0.5040	0.0457	0.2588	0.0908	0.5135
42	32.74	0.05	0.0644	9.9999	-0.0174	9.9999	-0.2087	0.5107	0.0457	0.2553	0.0896	0.5077
43	32.97	0.05	0.0646	9.9999	-0.0185	9.9999	-0.2868	0.5098	0.0458	0.2613	0.0895	0.5129
44	33.23	0.04	0.0735	9.9999	-0.0149	9.9999	-0.1942	0.5098	0.0456	0.2613	0.0895	0.5125
45	33.48	0.05	0.0754	9.9999	-0.0114	9.9999	-0.1634	0.5200	0.0456	0.2671	0.0878	0.5136
46	33.72	0.06	0.0645	9.9999	-0.0173	9.9999	-0.2076	0.5064	0.0463	0.2623	0.0915	0.5181

PAGE 3 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART FACE XXIG-6			PHI	CKF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 14c C.CC 1.7			0.0	B10F23	C.C	0	-20	0	-20	UNKNOWN		
FCINT	ALPHA	BETA	CNF3	CH3	CH3	XCPF3	YCPF3	CNF4	CH4	CH4	XCPF4	YCPF4
47	33.98	C.05	C.0733	5.5555	-C.0107	5.5555	-0.1461	0.5199	0.0459	0.2671	0.0883	0.5137
48	34.21	C.05	C.0763	5.5555	-C.0053	5.5555	-0.1214	0.5030	0.0463	0.2634	0.0921	0.5237
49	34.45	C.07	C.0573	5.5555	-C.0025	5.5555	-0.0298	0.5063	0.0469	0.2675	0.0526	0.5283
50	34.71	C.07	C.0663	5.5555	-0.0083	5.5555	-0.0940	0.5033	0.0468	0.2681	0.0526	0.5306
51	34.95	C.08	C.0761	5.5555	-C.0053	5.5555	-0.1217	0.4966	0.0468	0.2664	0.0538	0.5342
52	35.18	C.07	C.0912	5.5555	-0.0064	5.5555	-0.0762	0.5122	0.0465	0.2724	0.0908	0.5317
53	35.42	C.07	C.0570	5.5555	-C.0017	5.5555	-0.0179	0.5464	0.0439	0.2785	0.0803	0.5058
54	35.65	C.06	C.1058	5.5555	C.0037	5.5555	0.0346	0.5608	0.0432	0.2848	0.0763	0.5026
55	35.88	C.07	C.1177	5.5555	C.0054	5.5555	0.0795	0.5736	0.0429	0.2851	0.0749	0.5040
56	36.12	0.06	0.1045	5.5555	0.0022	5.5555	0.0216	0.5669	0.0432	0.2886	0.0763	0.5091
57	36.36	0.07	C.1028	5.5555	0.0066	5.5555	0.0551	0.5498	0.0442	0.2837	C.0804	0.5160
58	36.59	C.07	C.1028	5.5555	C.0061	5.5555	0.0790	0.5396	0.0449	0.2830	0.0832	0.5245
59	36.83	0.07	C.1028	5.5555	C.0061	5.5555	0.0790	0.5533	C.0442	0.2877	0.0799	0.5261
60	37.06	0.06	C.0558	5.5555	C.0032	5.5555	0.0319	0.5703	0.0432	0.2826	0.0758	0.5131
61	37.28	C.07	C.0557	5.5555	C.0055	5.5555	0.0552	0.5599	0.0442	0.2862	0.0789	0.5147
62	37.52	C.07	C.0536	5.5555	C.0027	5.5555	0.0289	0.5556	0.0442	0.2887	0.0795	0.5196
63	37.75	C.07	C.0505	5.5555	C.0048	5.5555	0.0533	0.5418	0.0457	0.2853	0.0844	0.5266
64	37.98	C.08	C.0751	5.5555	-C.0034	5.5555	-0.0446	0.5417	0.0461	0.2866	0.0851	0.5250
65	38.22	0.08	C.0848	5.5555	-C.0004	5.5555	-0.0346	0.5463	0.0458	0.2911	0.0835	0.5325
66	38.44	C.08	C.0767	5.5555	C.0004	5.5555	0.0349	0.5401	0.0462	0.2873	0.0846	0.5261
67	38.66	C.08	C.0755	5.5555	-C.0045	5.5555	-0.0567	0.5530	0.0458	0.2916	0.0829	0.5273
68	38.88	0.09	C.0870	5.5555	-C.0065	5.5555	-0.0985	0.5497	0.0455	0.2901	0.0829	0.5278
69	39.10	C.08	C.0655	5.5555	-0.0027	5.5555	-0.0387	0.5665	0.0455	0.2938	0.0804	0.5187
70	39.29	0.08	C.0677	5.5555	C.0022	5.5555	0.0253	0.5735	C.0446	0.2967	0.0777	0.5173
71	39.52	0.10	0.0838	5.5555	-0.0032	5.5555	-0.0499	0.5667	0.0449	0.2951	0.0752	0.5207
72	39.71	0.08	C.0655	5.5555	-C.0027	5.5555	-0.0387	0.5671	0.0442	0.3027	0.0753	0.5155
73	39.90	C.08	C.0758	5.5555	-C.0022	5.5555	-0.0293	0.6006	0.0432	0.3011	0.0720	0.5014
74	40.11	0.08	C.0756	5.5555	C.0013	5.5555	0.0188	0.6144	0.0423	0.3045	C.0688	0.5038
75	40.31	0.08	C.0506	5.5555	C.0060	5.5555	0.0660	0.6146	0.0416	0.3095	C.0677	0.5036
76	40.52	0.08	0.0725	5.5555	-0.0014	5.5555	-0.0185	0.6088	0.0427	0.3072	0.0702	0.5046
77	40.73	0.08	C.0788	5.5555	C.0027	5.5555	0.0343	0.6120	0.0437	0.3088	0.0714	0.5045
78	40.94	0.09	0.0788	5.5555	C.0027	5.5555	0.0343	0.6084	0.0440	0.3048	0.0723	0.5010
79	41.14	0.08	C.0817	5.5555	C.0053	5.5555	0.0649	0.6084	0.0443	0.3073	0.0728	0.5051
80	41.34	C.08	C.0654	5.5555	-C.0004	5.5555	-0.0355	0.6084	0.0440	0.3048	0.0723	0.5010
81	41.53	C.08	C.0751	5.5555	-0.0025	5.5555	-0.0331	0.6290	0.0430	0.3137	0.0684	0.4987
82	41.74	0.05	C.0817	5.5555	C.0053	5.5555	0.0649	0.6255	0.0433	0.3110	0.0693	0.4971
83	41.91	0.07	C.0788	5.5555	C.0083	5.5555	0.0798	0.6394	0.0417	0.3136	0.0652	0.4936
84	42.09	0.06	C.0817	5.5555	C.0041	5.5555	0.0508	0.6606	0.0404	0.3207	0.0613	0.4880
85	42.28	C.08	C.0728	5.5555	-C.0046	5.5555	-0.0637	0.6270	0.0427	0.3103	0.0682	0.4949
86	42.47	0.06	C.0758	5.5555	0.0046	5.5555	0.0636	0.6237	0.0425	0.3088	0.0681	0.4950
87	42.63	0.06	C.0728	5.5555	0.0046	5.5555	0.0637	0.6270	0.0425	0.3090	0.0677	0.4929
88	42.82	0.09	C.0751	5.5555	0.0071	5.5555	0.0943	0.6273	0.0415	0.3090	0.0661	0.4925
89	43.01	0.08	0.0728	5.5555	C.0058	5.5555	0.0798	0.6308	0.0411	0.3080	0.0652	0.4884
90	43.20	C.06	0.0817	5.5555	C.0076	5.5555	0.0933	0.6314	0.0411	0.3097	0.0645	0.4859
91	43.34	C.08	C.0758	5.5555	-C.0048	5.5555	-0.0636	0.6511	0.0408	0.3182	0.0627	0.4887
92	43.55	0.09	C.0758	5.5555	0.0072	5.5555	0.0954	0.6319	0.0412	0.3073	0.0652	0.4863

PAGE 3 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF RIXIC-6			PHI CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 140 C.C. 1.7			0.0 0.100F23 C.C		0		-20	0	-20	UNKNOWN		
PLCINT	ALPHA	BETA	LN3	LN3	LN3	XCFF3	YCFF3	LN4	LN4	LN4	LN4	LN4
93	43.75	0.05	0.0655	5.5555	0.0043	5.5555	0.0622	0.0388	0.0412	0.3078	0.0645	0.4819
94	43.90	0.06	0.0758	5.5555	0.0072	5.5555	0.0554	0.0546	0.0354	0.3163	0.0612	0.4846
95	44.10	0.06	0.0728	5.5555	0.0058	5.5555	0.0795	0.0523	0.0406	0.3113	0.0623	0.4771
96	44.30	0.05	0.0727	5.5555	0.0065	9.9999	0.0556	0.0512	0.0405	0.3132	0.0622	0.4810
97	44.47	0.08	0.0727	5.5555	0.0081	5.5559	0.1116	0.0645	0.0396	0.3167	0.0559	0.4763
98	44.64	0.05	0.0658	5.5555	0.0055	5.5559	0.0791	0.0602	0.0398	0.3133	0.0602	0.4746
99	44.82	0.08	0.0635	5.5555	0.0050	5.5555	0.0750	0.0705	0.0371	0.3152	0.0583	0.4701
100	45.01	0.05	0.0654	5.5555	0.0067	5.5559	0.0900	0.0759	0.0394	0.3189	0.0582	0.4718
101	45.18	0.06	0.0654	5.5555	0.0067	5.5555	0.0960	0.0726	0.0351	0.3162	0.0581	0.4701
102	45.35	0.08	0.0693	5.5555	0.0067	9.9999	0.0901	0.0614	0.0390	0.3175	0.0572	0.4660
103	45.53	0.08	0.0663	5.5555	0.0052	5.5555	0.0760	0.0649	0.0387	0.3177	0.0585	0.4635
104	45.70	0.08	0.0722	5.5555	0.0055	5.5559	0.1258	0.0646	0.0390	0.3191	0.0569	0.4660
105	45.88	0.07	0.0722	5.5555	0.0053	5.5559	0.1283	0.0706	0.0387	0.3202	0.0552	0.4563
106	46.04	0.08	0.0721	5.5555	0.0104	5.5555	0.1446	0.0717	0.0383	0.3202	0.0546	0.4564
107	46.22	0.08	0.0572	5.5555	0.0057	5.5555	0.0995	0.0701	0.0377	0.3239	0.0538	0.4615
108	46.42	0.07	0.0571	5.5555	0.0057	5.5559	0.0997	0.0713	0.0376	0.3270	0.0525	0.4555
109	46.58	0.08	0.0745	5.5555	0.0130	9.9999	0.1740	0.0718	0.0383	0.3243	0.0537	0.4543
110	46.73	0.07	0.0721	5.5555	0.0053	5.5555	0.1285	0.0736	0.0370	0.3335	0.0501	0.4521
111	46.92	0.07	0.0650	5.5555	0.0101	5.5555	0.1569	0.0751	0.0370	0.3365	0.0492	0.4486
112	47.09	0.07	0.0650	5.5555	0.0080	5.5555	0.1348	0.0781	0.0367	0.3478	0.0465	0.4452
113	47.26	0.06	0.0655	5.5555	0.0085	5.5555	0.1203	0.0800	0.0366	0.3524	0.0457	0.4405
114	47.43	0.06	0.0658	5.5555	0.0052	5.5559	0.1013	0.0805	0.0369	0.3541	0.0457	0.4390
115	47.60	0.06	0.0658	5.5555	0.0055	5.5559	0.1510	0.0836	0.0355	0.3635	0.0431	0.4368
116	47.77	0.07	0.0510	5.5555	0.0052	5.5555	0.1021	0.0803	0.0363	0.3665	0.0432	0.4361
117	47.94	0.06	0.0510	5.5555	0.0052	5.5555	0.1021	0.0839	0.0349	0.3684	0.0419	0.4417
118	48.10	0.05	0.0451	5.5555	0.0044	5.5555	0.0535	0.0840	0.0346	0.3671	0.0415	0.4402
119	48.25	0.05	0.0450	5.5555	0.0047	5.5559	0.1051	0.0837	0.0337	0.3698	0.0402	0.4415
120	48.41	0.03	0.0422	5.5555	0.0034	9.9999	0.0801	0.0863	0.0331	0.3786	0.0386	0.4415
121	48.58	0.02	0.0422	5.5555	0.0034	5.5555	0.0801	0.0847	0.0331	0.3775	0.0390	0.4442
122	48.74	0.01	0.0396	5.5555	0.0042	5.5559	0.1089	0.0881	0.0336	0.3788	0.0385	0.4443
123	48.92	0.02	0.0451	5.5555	0.0024	5.5559	0.0535	0.0864	0.0323	0.3832	0.0372	0.4413
124	49.11	0.01	0.0352	5.5555	0.0038	5.5555	0.0197	0.0818	0.0317	0.3787	0.0377	0.4495
125	49.27	0.03	0.0333	5.5555	0.0005	5.5555	0.0261	0.0801	0.0324	0.3801	0.0381	0.4471
126	49.45	0.03	0.0352	5.5555	0.0014	5.5555	0.0493	0.0867	0.0324	0.3791	0.0387	0.4531
127	49.61	0.02	0.0351	5.5555	0.0031	5.5555	0.0790	0.0854	0.0324	0.3840	0.0380	0.4500
128	49.78	0.00	0.0332	5.5555	0.0014	5.5555	0.0496	0.0836	0.0317	0.3865	0.0368	0.4467
129	49.97	0.03	0.0451	5.5555	0.0071	5.5555	0.1585	0.0868	0.0312	0.3842	0.0367	0.4527
130	50.14	0.04	0.0451	5.5555	0.0071	5.5555	0.1505	0.0824	0.0309	0.3787	0.0374	0.4588
131	50.29	0.04	0.0421	5.5555	0.0057	5.5559	0.1353	0.0890	0.0306	0.3834	0.0365	0.4570
132	50.46	0.05	0.0453	5.5555	0.0060	5.5559	0.1322	0.0838	0.0310	0.3800	0.0371	0.4557
133	50.64	0.05	0.0453	5.5555	0.0071	5.5559	0.1378	0.0828	0.0326	0.3804	0.0394	0.4592
134	50.80	0.05	0.0481	5.5555	0.0065	5.5559	0.2265	0.0830	0.0326	0.3808	0.0391	0.4561
135	50.99	0.05	0.0572	5.5555	0.0128	5.5559	0.2243	0.0830	0.0327	0.3811	0.0394	0.4592
136	51.16	0.04	0.0453	5.5555	0.0064	5.5559	0.2106	0.0843	0.0331	0.3856	0.0390	0.4545
137	51.33	0.05	0.0454	5.5555	0.0060	5.5559	0.1316	0.0868	0.0338	0.3934	0.0389	0.4525
138	51.51	0.05	0.0546	5.5555	0.0061	5.5559	0.1601	0.0805	0.0335	0.3937	0.0380	0.4471

PAGE 3 OF 3
 SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		PHI		CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		142 C-6C 1-7		0.0		0.0		0		-20		0		-20		UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCFF3	YCPFF3	CNF4	CH4	CB4	XCFF4	YCPFF4					
139	51.68	0.06	0.0456	5.9999	0.0060	5.9999	0.1311	0.8892	0.0329	0.4012	0.0370	0.4512					
140	51.64	0.07	0.0517	5.9999	0.0077	5.9999	0.1493	0.8755	0.0325	0.3526	0.0376	0.4484					
141	52.00	0.06	0.0457	5.9999	0.0048	5.9999	0.1355	0.8622	0.0319	0.3890	0.0370	0.4512					
142	52.10	0.07	0.0484	5.9999	0.0063	5.9999	0.1282	0.8495	0.0330	0.4021	0.0367	0.4470					
143	52.34	0.09	0.0576	5.9999	0.0125	5.9999	0.2237	0.8763	0.0307	0.3564	0.0350	0.4523					
144	52.51	0.08	0.0457	5.9999	0.0072	5.9999	0.1382	0.8729	0.0304	0.3548	0.0348	0.4523					
145	52.66	0.11	0.0457	5.9999	0.0072	5.9999	0.1582	0.8629	0.0297	0.3927	0.0344	0.4551					
146	52.65	0.12	0.0576	5.9999	0.0125	5.9999	0.2237	0.8632	0.0290	0.3966	0.0336	0.4594					
147	53.01	0.12	0.0638	5.9999	0.0170	5.9999	0.2663	0.8734	0.0290	0.4011	0.0333	0.4592					
148	53.10	0.12	0.0518	5.9999	0.0085	5.9999	0.1713	0.8638	0.0284	0.4056	0.0321	0.4590					
149	53.35	0.12	0.0576	5.9999	0.0110	5.9999	0.2033	0.8540	0.0290	0.4089	0.0325	0.4574					
150	53.50	0.13	0.0638	5.9999	0.0158	5.9999	0.2481	0.8610	0.0286	0.4170	0.0319	0.4628					
151	53.67	0.13	0.0577	5.9999	0.0153	5.9999	0.2659	0.8645	0.0284	0.4186	0.0314	0.4628					
152	53.82	0.12	0.0517	5.9999	0.0113	5.9999	0.2183	0.8736	0.0290	0.4160	0.0332	0.4693					
153	53.98	0.12	0.0638	5.9999	0.0182	5.9999	0.2855	0.8927	0.0281	0.4183	0.0315	0.4685					
154	54.14	0.13	0.0576	5.9999	0.0142	5.9999	0.2450	0.8625	0.0298	0.4230	0.0330	0.4687					
155	54.28	0.12	0.0640	5.9999	0.0182	5.9999	0.2651	0.8942	0.0291	0.4243	0.0326	0.4744					
156	54.40	0.13	0.0640	5.9999	0.0182	5.9999	0.2651	0.8942	0.0291	0.4241	0.0327	0.4760					
157	54.61	0.11	0.0576	5.9999	0.0178	5.9999	0.3072	0.8977	0.0291	0.4258	0.0325	0.4743					
158	54.78	0.11	0.0640	5.9999	0.0111	5.9999	0.2273	0.8900	0.0282	0.4326	0.0311	0.4781					
159	54.92	0.12	0.0640	5.9999	0.0171	5.9999	0.2670	0.8637	0.0286	0.4258	0.0328	0.4835					
160	55.00	0.11	0.0634	5.9999	0.0162	5.9999	0.2355	0.8692	0.0291	0.4271	0.0328	0.4803					
161	55.20	0.11	0.0576	5.9999	0.0153	5.9999	0.2654	0.8660	0.0285	0.4280	0.0321	0.4831					
162	55.44	0.11	0.0576	5.9999	0.0130	5.9999	0.2250	0.8510	0.0278	0.4359	0.0305	0.4833					
163	55.64	0.12	0.0576	5.9999	0.0130	5.9999	0.2250	0.8530	0.0288	0.4375	0.0322	0.4895					
164	55.79	0.12	0.0576	5.9999	0.0178	5.9999	0.3077	0.9136	0.0285	0.4453	0.0312	0.4874					
165	55.98	0.11	0.0576	5.9999	0.0178	5.9999	0.3082	0.9168	0.0281	0.4500	0.0306	0.4898					
166	56.14	0.10	0.0548	5.9999	0.0115	5.9999	0.2095	0.9085	0.0284	0.4467	0.0312	0.4917					
167	56.29	0.10	0.0577	5.9999	0.0125	5.9999	0.2241	0.8932	0.0280	0.4410	0.0313	0.4938					
168	56.45	0.09	0.0518	5.9999	0.0100	5.9999	0.1944	0.8982	0.0280	0.4432	0.0312	0.4934					
169	56.60	0.07	0.0548	5.9999	0.0135	5.9999	0.2349	0.9116	0.0289	0.4481	0.0318	0.4915					
170	56.75	0.06	0.0576	5.9999	0.0152	5.9999	0.2651	0.9049	0.0285	0.4475	0.0320	0.4946					
171	56.89	0.05	0.0454	5.9999	0.0107	5.9999	0.2357	0.9220	0.0283	0.4538	0.0307	0.4922					
172	57.03	0.06	0.0454	5.9999	0.0096	5.9999	0.2102	0.9050	0.0286	0.4514	0.0316	0.4988					
173	57.18	0.07	0.0515	5.9999	0.0124	5.9999	0.2416	0.9322	0.0286	0.4597	0.0306	0.4931					
174	57.32	0.06	0.0454	5.9999	0.0096	5.9999	0.2102	0.9303	0.0283	0.4600	0.0304	0.4944					
175	57.47	0.07	0.0459	5.9999	0.0096	5.9999	0.1059	0.9235	0.0288	0.4591	0.0311	0.4944					
176	57.62	0.05	0.0353	5.9999	0.0067	5.9999	0.1895	0.9337	0.0281	0.4637	0.0301	0.4966					
177	57.78	0.05	0.0453	5.9999	0.0056	5.9999	0.2111	0.9301	0.0288	0.4623	0.0309	0.4970					
178	57.84	0.05	0.0422	5.9999	0.0061	5.9999	0.1922	0.9523	0.0277	0.4693	0.0291	0.4928					
179	57.85	0.05	0.0352	5.9999	0.0067	5.9999	0.1700	0.9319	0.0284	0.4616	0.0304	0.4953					

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH AXIO-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 144 C.50 1.7			C.G	0.10CF25	C.G	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAF	NCP
1	-5.70	-0.01	-0.8103	2.0343	-0.0308	-0.1088	0.0003	0.6100	0.3150	0.2951	-2.5109
2	-5.69	0.00	-0.7847	2.0145	0.0374	-0.0568	0.0005	0.6096	0.3157	0.2940	-2.5071
3	-5.68	0.00	-0.7635	2.0226	0.0437	-0.1170	0.0006	0.6079	0.3154	0.2946	-2.5854
4	-4.89	0.01	-0.7137	2.3545	0.1153	-0.3390	0.0270	0.5974	0.2049	0.3125	-3.2592
5	-3.85	0.00	-0.6255	3.0747	0.0371	-0.1053	0.0142	0.5598	0.2111	0.3485	-3.7086
6	-1.88	0.01	-0.6539	2.9759	0.0390	-0.1049	0.0005	0.5323	0.1938	0.3417	-4.3205
7	-0.04	0.01	-0.5722	2.9323	0.1206	-0.1803	0.0091	0.5141	0.1780	0.3361	-5.1246
8	1.76	0.00	-0.4160	2.7791	-0.0088	-0.0898	0.0157	0.4801	0.1640	0.3162	-6.6802
9	3.60	-0.00	-0.2621	2.6445	0.0066	-0.0555	0.0336	0.4518	0.1575	0.2944	-10.0857
10	5.40	-0.00	-0.1346	2.5310	-0.0041	-0.0890	0.0041	0.4277	0.1554	0.2723	-16.8082
11	7.25	0.00	0.1274	2.1742	0.0185	-0.0622	0.0175	0.3764	0.1493	0.2271	17.0705
12	9.03	0.00	0.3058	1.8557	0.0302	-0.0214	0.0115	0.3433	0.1408	0.1905	6.0627
13	10.87	-0.00	0.5555	1.4440	-0.0025	0.0043	0.0122	0.3106	0.1488	0.1618	2.5791
14	12.68	0.00	0.7954	1.1715	0.0037	0.0005	0.0192	0.2869	0.1507	0.1303	1.4728
15	14.52	-0.01	1.0000	0.8870	-0.0027	0.0010	0.0137	0.2697	0.1644	0.1004	0.8301
16	16.42	-0.01	1.3712	0.6047	-0.0082	0.1023	0.0144	0.2305	0.1763	0.0602	0.4673
17	18.31	-0.01	1.6785	0.2675	-0.1434	0.4534	0.0271	0.2026	0.1834	0.0222	0.1554
18	20.17	-0.02	1.9548	-0.1413	-0.2886	0.7477	0.0335	0.1765	0.1856	-0.0285	-0.0708
19	22.05	-0.04	2.3885	-0.6432	-0.6046	1.0788	0.0378	0.1166	0.1956	-0.0810	-0.2693
20	23.92	-0.04	2.8026	-0.8141	-0.5585	1.5241	-0.0044	0.1044	0.2007	-0.1024	-0.2359
21	25.80	-0.04	2.9540	-0.6475	-0.5702	1.5585	-0.0287	0.0718	0.2141	-0.1423	-0.2163
22	27.70	0.01	3.3385	-0.4207	0.1038	-0.1409	0.0401	0.0332	0.2005	-0.1673	-0.1278
23	27.89	0.01	3.3182	-0.4265	0.1665	-0.0867	0.0477	0.0285	0.2013	-0.1728	-0.1467
24	28.24	0.01	3.3010	-0.4087	0.2650	-0.0452	0.0679	0.0254	0.2004	-0.1750	-0.1209
25	28.49	0.01	3.4082	-0.3772	0.2141	-0.2103	0.0490	0.0135	0.2012	-0.1877	-0.1139
26	28.83	0.03	3.6230	-0.2577	0.5187	-0.8425	0.0868	-0.0010	0.2020	-0.2030	-0.0711
27	29.14	0.03	3.6661	-0.2385	0.5604	-0.7363	0.0763	-0.0015	0.2023	-0.2038	-0.0651
28	29.42	0.04	3.7635	-0.2179	0.3813	-0.2400	0.0500	-0.0008	0.2004	-0.2072	-0.0588
29	29.70	0.02	3.7717	-0.1528	0.4160	-0.2289	0.0502	-0.0039	0.2085	-0.2124	-0.0511
30	29.98	0.02	3.8093	-0.1253	0.3924	-0.1305	0.0629	0.0040	0.2167	-0.2121	-0.0338
31	30.25	0.04	3.9540	-0.1024	0.5825	-0.3855	0.0766	-0.0005	0.2204	-0.2269	-0.0259
32	30.52	0.03	4.0115	-0.1104	0.5403	-0.4804	0.0902	-0.0122	0.2232	-0.2354	-0.0275
33	30.83	0.04	4.1358	-0.0243	0.6208	-0.4674	0.0938	-0.0037	0.2356	-0.2393	-0.0059
34	31.08	0.04	4.2255	0.0045	0.6418	-0.3156	0.0778	0.0015	0.2451	-0.2436	0.0153
35	31.35	0.05	4.2773	0.0570	0.7676	-0.5019	0.0785	-0.0046	0.2593	-0.2439	0.0133
36	31.61	0.04	4.3240	0.1515	0.5221	0.0190	0.0646	-0.0033	0.2400	-0.2513	0.0443
37	31.90	0.04	4.4457	0.1754	0.5646	0.0545	0.0648	-0.0078	0.2550	-0.2628	0.0395
38	32.15	0.05	4.5415	0.3055	0.6914	-0.1332	0.0724	-0.0115	0.2555	-0.2670	0.0675
39	32.41	0.05	4.6215	0.4122	0.6625	-0.1400	0.0664	-0.0070	0.2678	-0.2748	0.0892
40	32.66	0.06	4.7356	0.4551	0.8090	-0.4721	0.0807	-0.0177	0.2460	-0.2637	0.1046
41	32.94	0.05	4.8535	0.7542	0.7633	-0.5502	0.0955	-0.0532	0.2410	-0.2943	0.1554
42	33.18	0.00	4.9248	0.8234	0.6440	-0.4787	0.0959	-0.0050	0.2303	-0.2853	0.1672
43	33.44	0.04	4.9632	0.7348	0.6391	-1.1417	0.0900	-0.0096	0.2263	-0.2560	0.1875
44	33.70	0.04	5.1160	1.1100	0.8646	-1.1043	0.0844	-0.0011	0.2283	-0.3095	0.2169
45	33.93	0.05	5.1433	1.1366	0.7225	-1.1155	0.0709	-0.0732	0.2326	-0.3061	0.2210
46	34.14	0.03	5.2788	1.5574	0.5282	-0.5583	0.0850	-0.0843	0.2299	-0.3143	0.2571

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF AXIC-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
7 145 G-50 1.7 0.0 0.1 0.25 0 0 -20 0 -20 UNKNOWN											
POINT	ALPHA	BETA	CN	CLM	CY	CLA	CLL	CA	CAB	CAF	XCP
47	34.46	0.03	5.2595	1.3126	0.5538	-0.8422	0.0786	-0.0815	0.2320	-0.3136	0.2477
48	34.66	0.04	5.3621	1.4058	0.5485	-0.8764	0.0790	-0.0827	0.2311	-0.3139	0.2734
49	34.93	0.03	5.5185	1.5055	0.4773	-0.9095	0.0732	-0.1133	0.2295	-0.3482	0.2729
50	35.17	0.02	5.5942	1.6036	0.4007	-1.0371	0.0673	-0.1068	0.2324	-0.3352	0.2868
51	35.41	0.02	5.6641	1.7035	0.3491	-0.9935	0.0613	-0.1034	0.2361	-0.3355	0.3008
52	35.64	0.01	5.7175	1.8050	0.3514	-0.9558	0.0552	-0.0961	0.2305	-0.3267	0.3345
53	35.88	0.02	5.7545	1.8127	0.3576	-1.0716	0.0429	-0.1060	0.2337	-0.3447	0.3128
54	36.11	-0.00	5.8625	1.9455	0.1465	-0.6691	0.0490	-0.1262	0.2362	-0.3624	0.3308
55	36.34	0.01	5.9422	1.9576	0.2753	-0.6715	0.0433	-0.1211	0.2341	-0.3552	0.3362
56	36.58	0.01	6.0167	2.1252	0.2556	-0.7753	0.0563	-0.1274	0.2446	-0.3570	0.3532
57	36.83	0.03	6.1124	2.1512	0.4764	-0.6851	0.0505	-0.1405	0.2280	-0.3685	0.3585
58	37.06	-0.00	6.1611	2.2337	0.1724	-0.5852	0.0251	-0.1364	0.2308	-0.3672	0.3614
59	37.30	0.01	6.2536	2.3616	0.2673	-0.4054	0.0445	-0.1394	0.2480	-0.3674	0.3776
60	37.53	0.04	6.3664	2.4116	0.4143	-0.2457	0.0570	-0.1507	0.2484	-0.3871	0.3788
61	37.76	0.02	6.4737	2.4223	0.2352	-0.6057	0.0505	-0.1613	0.2342	-0.3555	0.3762
62	37.99	0.00	6.4966	2.4651	0.1045	-0.6063	0.0444	-0.1572	0.2334	-0.3906	0.3824
63	38.24	0.01	6.6521	2.4601	0.2224	-0.6534	0.0385	-0.1700	0.2346	-0.4046	0.3743
64	38.47	0.02	6.5532	2.5075	0.3062	-0.2128	0.0528	-0.1733	0.2296	-0.4024	0.3804
65	38.68	0.03	6.6836	2.4372	0.3780	-0.1565	0.0454	-0.1648	0.2383	-0.4031	0.3847
66	38.91	0.01	6.7701	2.5231	0.1755	0.3522	0.0505	-0.1626	0.2394	-0.4025	0.3727
67	39.15	0.01	6.8625	2.5456	0.2475	0.1831	0.0451	-0.1711	0.2375	-0.4086	0.3709
68	39.40	0.01	6.9668	2.6554	0.1707	0.3743	0.0451	-0.1664	0.2403	-0.4087	0.3869
69	39.61	0.01	7.0278	2.6016	0.1666	0.7117	0.0435	-0.1647	0.2583	-0.4230	0.3702
70	39.82	0.01	7.0009	2.6257	0.1315	0.8447	0.0434	-0.1443	0.2542	-0.4035	0.3751
71	40.03	-0.01	7.1151	2.7535	-0.0636	1.0587	0.0309	-0.1733	0.2509	-0.4242	0.3870
72	40.23	0.00	7.2470	2.6573	0.0341	1.0044	0.0376	-0.1867	0.2533	-0.4420	0.3722
73	40.46	-0.01	7.2465	2.7615	-0.0807	1.1354	0.0311	-0.1767	0.2554	-0.4321	0.3811
74	40.67	-0.01	7.2028	2.7672	-0.0781	0.8558	0.0259	-0.1951	0.2505	-0.4456	0.3800
75	40.86	0.01	7.3423	2.7465	0.1543	0.7335	0.0326	-0.1896	0.2550	-0.4446	0.3738
76	41.07	0.01	7.4141	2.7258	0.0725	1.2398	0.0247	-0.1861	0.2563	-0.4324	0.3677
77	41.29	-0.00	7.4548	2.8053	0.0076	1.0076	0.0197	-0.1813	0.2562	-0.4375	0.3763
78	41.47	0.00	7.4563	2.8341	-0.0054	1.2915	0.0168	-0.1850	0.2542	-0.4392	0.3761
79	41.67	-0.02	7.5555	2.8161	-0.1514	1.3037	0.0193	-0.1946	0.2562	-0.4508	0.3728
80	41.86	-0.00	7.5657	2.8780	0.1150	0.5532	0.0219	-0.2063	0.2425	-0.4548	0.3794
81	42.07	-0.01	7.7442	2.7456	0.1148	0.2051	0.0372	-0.2294	0.2419	-0.4713	0.3804
82	42.24	-0.00	7.8142	2.7507	0.0454	1.0457	0.0276	-0.2157	0.2510	-0.4667	0.3520
83	42.43	0.00	7.8751	2.5054	0.1580	0.5372	0.0363	-0.2284	0.2469	-0.4733	0.3689
84	42.63	-0.00	8.0412	2.7454	0.0735	1.0004	0.0226	-0.2111	0.2465	-0.4556	0.3414
85	42.77	0.01	7.8422	2.5001	0.2956	0.1558	0.0374	-0.2399	0.2449	-0.4869	0.3707
86	42.97	-0.00	8.0330	2.7244	-0.0151	1.0953	0.0224	-0.1902	0.2541	-0.4453	0.3352
87	43.16	0.00	8.1608	2.7013	0.0551	1.2367	0.0158	-0.2168	0.2551	-0.4716	0.3302
88	43.36	-0.02	8.2641	2.7937	-0.0441	0.8418	0.0371	-0.2351	0.2443	-0.4445	0.3381
89	43.55	-0.00	8.2745	2.8155	0.1586	0.0056	0.0526	-0.2580	0.2441	-0.5022	0.3408
90	43.71	-0.00	8.3666	2.6500	0.1721	0.2753	0.0516	-0.2673	0.2408	-0.5062	0.3457
91	43.92	0.01	8.4250	2.5134	0.2647	0.5276	0.0383	-0.2584	0.2575	-0.5160	0.3457
92	44.13	-0.01	8.5756	2.7464	-0.1613	1.0524	0.0163	-0.2204	0.2653	-0.4698	0.3204

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH NO. 1.7		PHI CORF		DEL1		DEL2		DEL3		DEL4		TRANSITION
	1.7	0.50	1.7	0.50	1.7	0.50	1.7	0.50	1.7	0.50	1.7	0.50	
PCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP		
93	44.28	0.02	8.5103	2.8539	0.4084	-0.3922	0.0549	-0.2538	0.2473	-0.5012	0.3353		
94	44.48	0.00	8.5040	2.7651	0.1484	0.6259	0.0324	-0.2604	0.2431	-0.5036	0.3221		
95	44.66	-0.01	8.6242	2.8301	0.1981	-0.4208	0.0550	-0.2516	0.2423	-0.4993	0.3281		
96	44.84	-0.00	8.6511	2.8243	0.1775	0.3839	0.0337	-0.2843	0.2447	-0.5291	0.3250		
97	45.01	-0.02	8.7455	2.5420	-0.1667	1.8025	-0.0025	-0.2420	0.2606	-0.5033	0.2890		
98	45.19	-0.00	8.8477	2.8142	0.3323	-0.2505	0.0429	-0.2450	0.2322	-0.5272	0.3181		
99	45.39	-0.01	8.9721	2.8386	0.0553	0.8832	0.0142	-0.2907	0.2521	-0.5488	0.3164		
100	45.58	-0.02	9.0293	2.7155	0.0621	0.6321	0.0210	-0.3030	0.2492	-0.5522	0.3012		
101	45.71	-0.02	8.9372	2.8350	0.0270	0.7101	0.0147	-0.2799	0.2411	-0.5211	0.3177		
102	45.90	0.01	9.1040	2.5346	0.107	1.6604	-0.0137	-0.2374	0.2655	-0.5035	0.2766		
103	46.07	-0.03	9.1574	2.7755	0.0641	-0.1250	0.0460	-0.2691	0.2427	-0.5315	0.3035		
104	46.26	-0.01	9.3023	2.7392	0.0302	1.3101	-0.0113	-0.2898	0.2480	-0.5376	0.2926		
105	46.44	-0.01	9.4022	2.7715	0.1016	0.5524	0.0293	-0.3133	0.2516	-0.5699	0.2948		
106	46.60	-0.02	9.3940	2.7451	0.0495	0.7759	0.0330	-0.2915	0.2440	-0.5355	0.2926		
107	46.80	-0.02	9.5726	2.5463	-0.1051	1.6892	-0.0117	-0.2646	0.2793	-0.5440	0.2621		
108	46.96	-0.04	9.5544	2.5050	-0.2077	1.6391	-0.0238	-0.2590	0.2647	-0.5438	0.2685		
109	47.12	-0.03	9.6055	2.6171	-0.1455	1.4113	-0.0102	-0.2908	0.2635	-0.5561	0.2708		
110	47.30	-0.01	9.7269	2.7214	0.0455	1.5008	-0.0108	-0.2843	0.2635	-0.5479	0.2798		
111	47.48	-0.01	9.7980	2.6051	0.0172	1.7103	-0.0112	-0.3111	0.2736	-0.5647	0.2655		
112	47.66	-0.02	9.8052	2.5038	-0.1765	1.6025	-0.0224	-0.2800	0.2524	-0.5724	0.2600		
113	47.82	0.00	9.8555	2.3099	0.3227	0.3388	0.0255	-0.3377	0.2580	-0.5557	0.2851		
114	48.00	-0.03	9.9240	2.0394	-0.1235	1.5823	-0.0398	-0.2858	0.3071	-0.5929	0.2655		
115	48.18	-0.00	10.0054	2.3628	0.0455	2.2085	-0.0249	-0.2224	0.3164	-0.5388	0.2347		
116	48.34	-0.02	10.1037	2.3234	-0.1251	2.3473	-0.0247	-0.2197	0.3258	-0.5455	0.2300		
117	48.54	-0.01	10.3458	2.0901	-0.0127	2.2033	-0.0237	-0.2423	0.3437	-0.5860	0.2020		
118	48.65	-0.01	10.3321	1.9514	-0.0403	1.9328	-0.0227	-0.1907	0.3512	-0.5444	0.1888		
119	48.85	0.01	10.3555	1.7631	0.1750	1.7769	-0.0162	-0.1954	0.3620	-0.5576	0.1703		
120	49.03	0.03	10.3377	1.9259	0.5000	1.4758	-0.0031	-0.2100	0.3457	-0.5023	0.1866		
121	49.21	0.02	10.3658	1.3525	0.4262	1.6590	-0.0094	-0.1861	0.3632	-0.5693	0.1280		
122	49.39	0.07	10.7151	1.3126	0.6068	1.6097	-0.0099	-0.2217	0.3793	-0.6010	0.1225		
123	49.60	0.08	11.2170	0.1520	0.7109	3.2030	-0.0082	-0.1400	0.4212	-0.5612	0.0736		
124	49.78	0.02	11.3222	0.0055	0.3245	1.7764	-0.0017	-0.1955	0.3601	-0.5756	0.0058		
125	49.96	0.01	11.4602	-0.2243	0.2523	1.9106	-0.0171	-0.1725	0.3872	-0.5597	-0.0156		
126	50.13	0.03	11.5080	-0.0494	0.4082	1.5092	0.0430	-0.1803	0.4088	-0.5553	-0.0081		
127	50.31	0.05	11.6078	-0.2333	0.6655	1.6532	0.0493	-0.1918	0.4043	-0.5961	-0.0201		
128	50.49	0.02	11.7201	-0.0025	0.3475	1.6909	0.0313	-0.2103	0.4195	-0.6300	-0.0178		
129	50.66	0.05	11.7132	-0.2554	0.7074	1.4534	0.0442	-0.1425	0.4321	-0.5746	-0.0252		
130	50.84	0.07	11.9461	-0.0475	0.8833	1.6033	0.0430	-0.1490	0.4434	-0.5854	-0.0542		
131	50.99	0.05	11.8518	-0.6784	0.8288	1.5002	0.0571	-0.1316	0.4650	-0.6006	-0.0569		
132	51.20	0.05	12.4465	-1.7321	0.5573	2.1552	0.0181	-0.1300	0.4799	-0.6105	-0.1352		
133	51.35	0.04	12.2451	-1.3121	0.5721	1.7293	0.0466	-0.0942	0.4873	-0.5819	-0.1072		
134	51.54	0.00	12.7111	-1.8726	0.1576	1.9048	0.0397	-0.1009	0.4912	-0.6000	-0.1473		
135	51.74	0.08	12.8805	-1.5189	0.8612	1.9284	0.0450	-0.1530	0.4864	-0.6353	-0.1488		
136	51.91	0.01	13.0058	-2.1449	0.2052	1.8708	0.0472	-0.1109	0.4936	-0.6044	-0.1644		
137	52.06	0.05	12.8313	-1.8750	0.5516	2.1008	0.0448	-0.1512	0.4806	-0.6318	-0.1461		
138	52.23	0.06	12.9338	-1.8060	0.6067	2.1404	0.0449	-0.1605	0.4695	-0.6330	-0.1356		

PAGE 1 OF 3
SHEET 4 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6											
7 149 C.G. 1.7 U.C. dist. 2.5 C.C. 0 -20 0 -20 UNKNOWN											
PCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAU	CAF	XCP
139	52.38	0.09	12.3352	-1.7287	C.5513	2.1495	0.0440	-0.1380	0.4684	-0.6064	-0.1347
140	52.56	0.07	12.4695	-1.6763	C.4442	1.9896	0.0454	-0.1621	0.4667	-0.6228	-0.1294
141	52.74	0.07	12.5605	-1.4378	C.6453	2.2443	0.0445	-0.1738	0.4584	-0.6322	-0.1125
142	52.89	0.07	12.9573	-1.4372	C.6195	2.0576	0.0452	-0.1474	0.4688	-0.6142	-0.1109
143	53.06	0.09	12.9317	-1.5561	1.0053	2.2720	0.0440	-0.1573	0.4623	-0.6196	-0.1203
144	53.22	0.10	13.0241	-1.3508	1.1075	2.1131	0.0447	-0.1682	0.4639	-0.6521	-0.1191
145	53.38	0.07	12.8560	-1.6115	C.6754	2.0028	0.0450	-0.1584	0.4634	-0.6248	-0.1293
146	53.55	0.06	13.0118	-1.4415	C.6754	1.9570	0.0462	-0.1707	0.4663	-0.6450	-0.1108
147	53.71	0.08	13.1050	-1.4555	C.5067	1.8103	0.0530	-0.1612	0.4674	-0.6286	-0.1113
148	53.84	0.05	12.9674	-1.4346	C.5142	1.9075	0.0468	-0.1510	0.4708	-0.6218	-0.1105
149	54.00	0.05	12.6842	-1.3237	C.6717	1.8929	0.0525	-0.1523	0.4643	-0.6166	-0.1027
150	54.17	0.05	12.1235	-1.5042	C.4543	1.7553	0.0478	-0.1701	0.4710	-0.6411	-0.1207
151	54.33	0.09	13.0834	-1.6758	1.0171	1.6792	0.0530	-0.1676	0.4758	-0.6434	-0.1281
152	54.48	0.06	13.0743	-1.5251	C.6626	1.9503	0.0604	-0.1771	0.4734	-0.6505	-0.1170
153	54.64	0.04	13.1621	-1.3522	C.6132	1.5134	0.0551	-0.1685	0.4775	-0.6464	-0.1027
154	54.78	0.07	13.0391	-1.4377	C.5014	1.5171	0.0602	-0.1543	0.4759	-0.6342	-0.1103
155	54.93	0.06	13.0758	-1.4710	C.5514	1.4357	0.0605	-0.1474	0.4602	-0.6276	-0.1125
156	55.11	0.07	13.2662	-1.3572	C.4224	1.3673	0.0556	-0.1634	0.4631	-0.6664	-0.1165
157	55.26	0.07	13.4157	-1.5636	C.5665	0.9457	0.0633	-0.1517	0.4940	-0.6456	-0.1479
158	55.40	0.01	13.2454	-1.3662	C.3503	1.1331	0.0573	-0.1693	0.4972	-0.6664	-0.1198
159	55.57	0.04	13.3344	-1.5375	C.7174	1.2451	0.0564	-0.1832	0.4928	-0.6760	-0.1153
160	55.74	0.05	13.4605	-1.6353	C.7435	1.2426	0.0631	-0.1588	0.5064	-0.6651	-0.1215
161	55.87	0.05	13.3661	-1.6048	C.7610	1.0708	0.0572	-0.1419	0.5036	-0.6454	-0.1244
162	56.04	0.05	13.4677	-1.6222	C.7292	1.2227	0.0633	-0.1472	0.5161	-0.6632	-0.1205
163	56.18	0.06	13.2581	-1.3714	C.6653	1.4243	0.0493	-0.1532	0.5141	-0.6672	-0.1031
164	56.34	0.06	13.4284	-1.3654	C.4521	0.9497	0.0524	-0.1535	0.5145	-0.6679	-0.1181
165	56.50	0.04	13.4346	-1.6577	C.6580	1.1407	0.0534	-0.1664	0.5181	-0.6845	-0.1264
166	56.65	0.04	13.4545	-1.5454	C.6146	0.9918	0.0516	-0.1572	0.5209	-0.6781	-0.1149
167	56.80	0.00	13.5303	-1.6336	C.4235	1.1677	0.0561	-0.1697	0.5329	-0.7026	-0.1207
168	56.95	0.02	13.5480	-1.7243	0.6454	1.1254	0.0577	-0.1536	0.5313	-0.6849	-0.1275
169	57.10	0.02	13.4764	-1.5606	C.5470	1.5184	0.0502	-0.1428	0.5471	-0.6899	-0.1158
170	57.24	0.02	13.4714	-1.5366	C.2254	1.4200	0.0512	-0.1770	0.5503	-0.7273	-0.1141
171	57.39	0.02	13.5455	-1.2170	C.5107	1.3068	0.0453	-0.2044	0.5491	-0.7535	-0.0898
172	57.55	0.01	13.5655	-1.2775	C.4355	C.5604	0.0450	-0.2154	0.5254	-0.7448	-0.0646
173	57.70	0.10	13.6276	-0.5651	-C.4657	-C.5031	0.0463	-0.2053	0.5314	-0.7367	-0.0711
174	57.84	0.08	13.6243	-0.4443	-C.2745	-C.8770	0.0464	-0.2188	0.5556	-0.7742	-0.0697
175	58.00	0.05	13.5110	-2.1360	-C.2415	-1.5517	0.0471	-0.2180	0.5507	-0.7727	-0.1350
176	58.12	0.11	13.6276	-1.4790	-C.5334	-1.3524	0.0338	-0.1818	C.5503	-0.7381	-0.1065
177	58.17	0.05	13.7100	-1.7404	-C.2571	-1.3789	0.0344	-0.1893	0.5486	-0.7379	-0.1264
178	58.17	0.12	13.6618	-1.4642	-C.5503	-1.1203	0.0378	-0.1716	C.5414	-0.7330	-0.1071

PAGE 2 OF 3
 SHEET 1 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART	ALPHA	BETA	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	145	0.50	1.0	0.0	0.10	0.25	0.0	-20
PLINT	ALPHA	BETA	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION
1	-5.70	-0.01	-0.0127	-0.0004	-0.0007	-0.0003	-0.0003	-0.0003
2	-5.65	-0.00	-0.0026	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004
3	-5.60	-0.00	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
4	-4.35	-0.01	-0.0150	-0.0004	-0.0004	-0.0004	-0.0004	-0.0004
5	-3.85	-0.00	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
6	-1.00	0.01	-0.0000	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
7	-0.35	0.01	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
8	1.70	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
9	3.60	-0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	5.40	-0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	7.25	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	9.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	10.87	-0.00	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
14	12.60	-0.00	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
15	14.52	-0.01	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
16	16.42	-0.01	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
17	18.31	-0.01	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
18	20.17	-0.02	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
19	22.00	-0.03	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
20	23.52	-0.04	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
21	25.60	-0.04	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
22	27.70	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	27.89	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	28.49	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	28.49	0.01	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	28.83	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	29.14	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	29.42	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	29.70	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	29.90	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31	30.23	0.02	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	30.52	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
33	30.80	0.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	31.00	0.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	31.35	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
36	31.61	0.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
37	31.90	0.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
38	32.15	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
39	32.41	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40	32.60	0.06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
41	32.94	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
42	33.16	0.06	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
43	33.46	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
44	33.70	0.04	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
45	33.93	0.05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
46	34.19	0.03	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PAGE 2 OF 3
 SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART PACF RXIC-5												
7	149	0.50	1.7	PHI	CLNF	L	CELI	DEL2	CEL3	DEL4	TRANSITION	
0.0 0.100 2.5 C.C 0 -20 0 -20 UNKNOWN												
PLINT	ALPHA	BETA	CNFI	CHI	CLAI	ACPF1	YCPF1	CNF2	CH2	CB2	ACPF2	YCPF2
47	34.44	0.03	0.2735	0.0358	0.1370	0.1457	0.5339	0.7014	0.0365	0.2505	0.0520	0.3571
48	34.60	0.04	0.2631	0.0356	0.1355	0.1514	0.5163	0.7014	0.0362	0.2505	0.0516	0.3571
49	34.93	0.03	0.2237	0.0358	0.1122	0.1601	0.5017	0.7117	0.0361	0.2533	0.0507	0.3559
50	35.17	0.02	0.1946	0.0323	0.0533	0.1601	0.4794	0.7260	0.0355	0.2602	0.0489	0.3583
51	35.41	0.02	0.1427	0.0311	0.0865	0.1612	0.4592	0.7374	0.0345	0.2634	0.0474	0.3572
52	35.64	0.01	0.1375	0.0252	0.0655	0.1615	0.4730	0.7355	0.0344	0.2617	0.0476	0.3567
53	35.88	0.02	0.0554	0.0173	0.0385	0.1738	0.3874	0.7449	0.0349	0.2672	0.0465	0.3587
54	36.11	-0.06	0.1092	0.0157	0.0431	0.1802	0.3949	0.7448	0.0349	0.2694	0.0469	0.3617
55	36.34	0.01	0.0949	0.0177	0.0302	0.1860	0.3101	0.7464	0.0343	0.2692	0.0459	0.3607
56	36.58	0.01	0.1151	0.0212	0.0404	0.1765	0.3898	0.7550	0.0337	0.2722	0.0446	0.3605
57	36.83	0.03	0.0546	0.0173	0.0324	0.1823	0.3422	0.7608	0.0331	0.2745	0.0435	0.3613
58	37.06	-0.06	0.0558	0.0125	0.0043	0.2330	0.0306	0.7604	0.0331	0.2777	0.0432	0.3623
59	37.30	0.01	0.0777	0.0110	0.0246	0.1416	0.3168	0.7608	0.0331	0.2749	0.0435	0.3613
60	37.53	0.04	0.0041	0.0091	0.0303	0.1070	0.4312	0.7579	0.0331	0.2735	0.0437	0.3605
61	37.76	0.02	0.0050	0.0063	0.0230	0.0564	0.5531	0.7604	0.0331	0.2777	0.0432	0.3623
62	37.99	0.00	0.0067	0.0063	0.0175	0.0887	0.4338	0.7737	0.0325	0.2802	0.0420	0.3621
63	38.24	0.01	0.0005	0.0047	0.0244	0.0565	0.3034	0.7709	0.0331	0.2777	0.0429	0.3602
64	38.47	0.02	0.0311	0.0031	-0.0047	0.0833	-0.1276	0.7801	0.0319	0.2825	0.0405	0.3585
65	38.68	0.03	0.0058	0.0036	0.0084	0.0779	0.1332	0.7823	0.0325	0.2809	0.0416	0.3590
66	38.91	0.01	0.0356	-0.0006	0.0070	-0.0210	0.1906	0.7794	0.0325	0.2818	0.0417	0.3616
67	39.15	0.01	0.0255	-0.0006	0.0027	-0.0299	0.1745	0.7822	0.0325	0.2832	0.0416	0.3620
68	39.40	0.01	0.0311	-0.0015	0.0032	-0.0497	0.1025	0.7852	0.0325	0.2823	0.0414	0.3595
69	39.61	0.01	-0.0002	-0.0074	-0.0158	-0.0559	1.9294	0.7823	0.0328	0.2805	0.0419	0.3590
70	39.82	0.01	0.0213	-0.0027	-0.0024	-0.1207	-0.1131	0.7811	0.0327	0.2793	0.0419	0.3576
71	40.03	-0.01	-0.0324	-0.0106	-0.0297	0.3274	0.9167	0.7868	0.0324	0.2810	0.0412	0.3571
72	40.23	0.00	-0.0155	-0.0050	-0.0261	0.4515	1.3107	0.7901	0.0318	0.2804	0.0399	0.3588
73	40.46	-0.01	-0.0346	-0.0118	-0.0312	0.3379	0.8957	0.7924	0.0318	0.2837	0.0402	0.3580
74	40.67	-0.01	-0.0405	-0.0141	-0.0301	0.3004	0.8128	0.7953	0.0318	0.2839	0.0400	0.3565
75	40.86	0.01	0.0	-0.0055	-0.0153	-0.0059	-0.0193	0.8097	0.0307	0.2873	0.0379	0.3549
76	41.07	0.01	-0.0064	-0.0141	-0.0456	0.2490	0.8102	0.8102	0.0307	0.2915	0.0375	0.3562
77	41.29	-0.00	-0.0034	-0.0177	-0.0512	0.2785	0.8082	0.8153	0.0307	0.2900	0.0376	0.3557
78	41.47	0.00	-0.0026	-0.0100	-0.0633	0.2179	0.7546	0.8123	0.0310	0.2921	0.0361	0.3555
79	41.67	-0.02	-0.0037	-0.0172	-0.0567	0.2053	0.6782	0.8153	0.0307	0.2900	0.0376	0.3557
80	41.86	-0.00	-0.0130	-0.0096	-0.0332	0.8503	2.4056	0.8406	0.0290	0.3039	0.0343	0.3590
81	42.07	-0.01	-0.0172	-0.0040	-0.0107	-0.2303	-0.6236	0.8466	0.0285	0.3031	0.0336	0.3604
82	42.24	-0.00	-0.0137	-0.0090	-0.0343	0.6349	2.5000	0.8381	0.0270	0.3009	0.0347	0.3591
83	42.43	0.00	0.0075	-0.0008	-0.0040	-0.0163	-0.0833	0.8665	0.0279	0.3101	0.0322	0.3575
84	42.63	-0.00	-0.0255	-0.0223	-0.0740	0.1776	0.5457	0.8200	0.0307	0.2955	0.0371	0.3575
85	42.77	0.01	-0.0250	-0.0101	-0.0360	0.3488	1.2392	0.8381	0.0290	0.3005	0.0347	0.3551
86	42.97	-0.00	-0.1153	-0.0223	-0.0094	0.1925	0.5992	0.8296	0.0299	0.2947	0.0301	0.3552
87	43.18	0.00	-0.1122	-0.0231	-0.0768	0.2055	0.6844	0.8411	0.0290	0.2979	0.0345	0.3541
88	43.36	-0.02	-0.0110	-0.0161	-0.0257	0.8750	2.5007	0.8610	0.0285	0.3052	0.0331	0.3545
89	43.55	-0.00	0.0022	0.0004	0.0	0.0074	0.0	0.8893	0.0270	0.3143	0.0304	0.3533
90	43.71	-0.00	0.0005	0.0005	-0.0040	0.0055	-0.0766	0.8896	0.0267	0.3120	0.0300	0.3508
91	43.92	-0.01	-0.0003	-0.0063	-0.0215	-21.6667	-74.3333	0.8838	0.0270	0.3116	0.0306	0.3525
92	44.13	-0.01	-0.1424	-0.0200	-0.0070	0.1070	0.6111	0.8679	0.0288	0.3061	0.0331	0.3526

PAGE 2 OF 3
SHEET 3 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART AACH RAIG-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 1-5 0.9C 1.7				0.0	0.010425	0.0	0	-20	0	-20	UNKNOWN	
PLINT	ALPHA	BETA	CONF1	CONF1	CONF1	XCPF1	YCPF1	CONF2	CONF2	CONF2	YCPF2	
93	44.28	0.02	-0.0578	-0.0040	-0.0047	0.0684	-0.0318	0.9151	0.0259	0.3198	0.0283	0.3494
94	44.48	0.00	-0.0132	-0.0062	-0.0066	0.0204	2.9197	0.9009	0.0267	0.3129	0.0267	0.3473
95	44.68	-0.01	-0.0502	-0.0067	-0.0067	0.0738	0.0738	0.9323	0.0250	0.3234	0.0268	0.3464
96	44.84	-0.00	0.0030	0.0	-0.0180	0.0	-0.5540	0.9234	0.0249	0.3243	0.0264	0.3489
97	45.01	-0.02	-0.1604	-0.0313	-0.1135	0.1733	0.0289	0.9008	0.0264	0.3152	0.0293	0.3499
98	45.19	-0.00	0.1381	0.0164	0.0164	0.1188	0.1223	0.9636	0.0255	0.3334	0.0248	0.3465
99	45.39	-0.01	-0.0827	-0.0150	-0.0053	0.1890	0.7900	0.9323	0.0245	0.3234	0.0263	0.3465
100	45.50	-0.02	-0.0530	-0.0122	-0.0531	0.2295	1.0016	0.9407	0.0242	0.3276	0.0257	0.3482
101	45.71	-0.02	-0.1162	-0.0204	-0.0081	0.1752	0.7583	0.9324	0.0242	0.3212	0.0260	0.3445
102	45.90	0.01	-0.2203	-0.0348	-0.1303	0.1541	0.5513	0.9593	0.0242	0.3317	0.0252	0.3458
103	46.07	-0.03	0.1352	-0.0145	-0.1175	0.1875	0.1299	0.9736	0.0233	0.3340	0.0240	0.3431
104	46.20	-0.01	-0.1576	-0.0254	-0.1111	0.1808	0.7340	0.9736	0.0233	0.3340	0.0240	0.3431
105	46.44	-0.01	-0.0028	-0.0110	-0.0087	0.3353	1.4853	0.9766	0.0228	0.3332	0.0233	0.3411
106	46.60	-0.02	-0.0767	-0.0172	-0.0103	0.2239	0.9170	0.9922	0.0216	0.3365	0.0216	0.3411
107	46.80	-0.02	-0.1356	-0.0250	-0.0572	0.1861	0.7157	0.9921	0.0228	0.3386	0.0230	0.3413
108	46.90	-0.04	-0.2526	-0.0460	-0.1374	0.1688	0.5439	0.9863	0.0233	0.3381	0.0237	0.3428
109	47.12	-0.03	-0.1458	-0.0270	-0.0595	0.1653	0.6823	1.0036	0.0228	0.3395	0.0227	0.3383
110	47.30	-0.01	-0.1807	-0.0344	-0.1092	0.1506	0.6044	0.9976	0.0231	0.3391	0.0231	0.3358
111	47.48	-0.01	-0.2269	-0.0410	-0.1310	0.1637	0.5774	0.9982	0.0216	0.3384	0.0217	0.3397
112	47.66	-0.02	-0.1945	-0.0351	-0.1104	0.1802	0.6074	1.0074	0.0222	0.3434	0.0220	0.3413
113	47.82	0.00	-0.0058	-0.0067	-0.0355	1.1500	6.1333	1.0205	0.0213	0.3431	0.0209	0.3362
114	48.00	-0.03	-0.1835	-0.0316	-0.0503	0.1931	0.5998	1.0176	0.0222	0.3418	0.0218	0.3358
115	48.16	-0.00	-0.2404	-0.0473	-0.1241	0.1566	0.5161	1.0442	0.0207	0.3559	0.0154	0.3406
116	48.34	-0.02	-0.2184	-0.0473	-0.1124	0.2104	0.5168	1.0641	0.0196	0.3643	0.0184	0.3424
117	48.54	-0.04	-0.1862	-0.0410	-0.1013	0.2202	0.5440	1.0586	0.0199	0.3549	0.0188	0.3352
118	48.69	-0.01	-0.1764	-0.0453	-0.0974	0.2571	0.5520	1.0773	0.0182	0.3636	0.0169	0.3375
119	48.85	-0.01	-0.1740	-0.0395	-0.0954	0.2208	0.5585	1.0727	0.0159	0.3571	0.0165	0.3329
120	49.03	0.03	-0.1514	-0.0374	-0.0720	0.2036	0.5902	1.0871	0.0184	0.3594	0.0170	0.3306
121	49.21	0.02	-0.1253	-0.0231	-0.0736	0.1860	0.5874	1.0871	0.0205	0.3560	0.0188	0.3275
122	49.39	0.07	-0.1424	-0.0261	-0.0600	0.1836	0.5017	1.0797	0.0199	0.3528	0.0184	0.3267
123	49.60	0.08	-0.1756	-0.0335	-0.0700	0.1806	0.3901	1.0798	0.0209	0.3494	0.0154	0.3238
124	49.78	0.02	-0.0635	-0.0217	-0.0405	0.3294	0.5762	1.0987	0.0187	0.3513	0.0170	0.3198
125	49.96	0.01	-0.0385	-0.0245	-0.0345	0.3003	0.6683	1.0914	0.0176	0.3469	0.0161	0.3178
126	50.13	0.03	0.0423	-0.0103	-0.0018	-0.2404	-0.0434	1.0915	0.0173	0.3446	0.0158	0.3157
127	50.31	0.05	0.0200	-0.0146	-0.0135	-0.7391	-0.4544	1.0971	0.0167	0.3462	0.0152	0.3155
128	50.49	0.02	0.0281	-0.0144	-0.0124	-0.5120	-0.4399	1.1010	0.0158	0.3505	0.0144	0.3184
129	50.66	0.05	0.0433	-0.0113	-0.0105	-0.2606	-0.2428	1.1010	0.0155	0.3494	0.0141	0.3173
130	50.84	0.07	0.0587	-0.0094	-0.0094	-0.1593	-0.1694	1.1064	0.0152	0.3531	0.0138	0.3192
131	50.99	0.05	0.0621	-0.0027	-0.0128	-0.0265	-0.1257	1.0933	0.0147	0.3505	0.0134	0.3208
132	51.20	0.05	0.0450	-0.0155	-0.0044	0.3304	1.4042	1.1045	0.0147	0.3548	0.0123	0.3212
133	51.35	0.04	0.0335	-0.0073	-0.0175	-0.2190	-0.5331	1.1056	0.0138	0.3533	0.0125	0.3196
134	51.54	0.00	0.0142	-0.0042	-0.0246	-0.2593	-2.0804	1.1043	0.0141	0.3548	0.0128	0.3213
135	51.74	0.08	0.0572	-0.0004	-0.0026	-0.0067	-0.0089	1.0915	0.0152	0.3432	0.0140	0.3144
136	51.91	0.01	0.0028	0.0012	-0.0005	0.0184	-0.1029	1.0873	0.0141	0.3454	0.0130	0.3177
137	52.06	0.05	0.0354	-0.0008	-0.0047	-0.0196	-0.1201	1.0855	0.0157	0.3438	0.0145	0.3167
138	52.23	0.06	0.0434	-0.0027	0.0055	-0.0622	0.1267	1.0869	0.0164	0.3443	0.0151	0.3167

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RXIG-6												
7 144 C.9C 1.7 C.C B10DF23 C.C												
CELL DELZ DEL3 DEL4 TRANSITION												
0 -20 0 -20 UNKNOWN												
PLANT	ALPHA	BETA	CNF1	CHI	COL	ALPFI	YCPFI	CNF2	CHI2	CB2	XCPF2	YCPF2
139	52.38	0.09	0.0223	-0.0052	-0.0020	-0.2198	-0.0769	1.1076	0.0166	0.3523	0.0150	0.3181
140	52.36	0.07	0.0461	-0.0002	0.0003	-0.0161	0.1727	1.0937	0.0165	0.3433	0.0154	0.3139
141	52.74	0.07	0.0276	-0.0035	-0.0061	-0.1399	0.2537	1.0779	0.0180	0.3360	0.0167	0.3117
142	52.69	0.07	0.0250	-0.0036	0.0076	-0.1544	0.3127	1.0947	0.0172	0.3441	0.0157	0.3143
143	53.06	0.09	0.0052	-0.0006	-0.0023	-1.2593	0.4444	1.0917	0.0176	0.3464	0.0163	0.3116
144	53.22	0.10	0.0263	-0.0035	0.0041	-0.1714	0.2000	1.1058	0.0169	0.3445	0.0153	0.3119
145	53.38	0.07	0.0195	-0.0031	-0.0106	-0.1584	0.5446	1.1013	0.0169	0.3468	0.0153	0.3094
146	53.55	0.06	0.0194	-0.0023	-0.0106	-0.1194	0.5473	1.0929	0.0174	0.3368	0.0159	0.3082
147	53.71	0.08	0.0313	-0.0006	-0.0166	-0.0247	0.5957	1.0544	0.0163	0.3406	0.0149	0.3112
148	53.64	0.05	0.0190	0.0	0.0129	0.0	0.6802	1.0858	0.0171	0.3376	0.0157	0.3098
149	54.00	0.05	0.0186	-0.0006	-0.0151	-0.0410	0.6000	1.0704	0.0179	0.3255	0.0168	0.3045
150	54.17	0.03	0.0367	0.0031	0.0197	0.0796	0.5087	1.1168	0.0157	0.3447	0.0141	0.3086
151	54.33	0.05	0.0435	0.0042	0.0213	0.0576	0.4900	1.1150	0.0157	0.3441	0.0141	0.3086
152	54.46	0.06	0.0426	0.0054	0.0205	0.1270	0.6803	1.1036	0.0163	0.3398	0.0148	0.3075
153	54.64	0.04	0.0262	0.0042	0.0208	0.1507	0.7397	1.0982	0.0168	0.3371	0.0153	0.3070
154	54.76	0.07	0.0430	0.0046	0.0245	0.1076	0.5695	1.1105	0.0154	0.3411	0.0139	0.3072
155	54.93	0.06	0.0383	0.0042	0.0205	0.1612	0.5466	1.1204	0.0149	0.3455	0.0133	0.3084
156	55.11	0.07	0.0038	0.0023	0.0104	0.0154	2.7692	1.1149	0.0157	0.3407	0.0141	0.3056
157	55.26	0.07	0.0453	0.0061	0.0281	0.1787	0.5766	1.1261	0.0143	0.3472	0.0127	0.3083
158	55.40	0.01	0.0364	0.0073	0.0224	0.2413	0.7365	1.1119	0.0140	0.3459	0.0126	0.3111
159	55.57	0.04	0.0030	0.0066	0.0150	2.1935	5.0000	1.1101	0.0143	0.3454	0.0129	0.3112
160	55.74	0.05	-0.0156	0.0031	0.0134	-0.1561	-0.6780	1.0765	0.0146	0.3355	0.0135	0.3120
161	55.87	0.03	-0.0245	0.0023	0.0107	-0.0545	-0.4370	1.0961	0.0140	0.3431	0.0128	0.3130
162	56.04	0.05	0.0015	0.0046	0.0276	3.0000	18.0000	1.0849	0.0126	0.3421	0.0117	0.3154
163	56.16	0.06	-0.0280	0.0046	0.0171	-0.1655	-0.6103	1.1032	0.0137	0.3463	0.0124	0.3135
164	56.34	0.00	-0.0375	0.0023	0.0158	-0.0611	-0.4173	1.0677	0.0137	0.3384	0.0128	0.3169
165	56.50	0.04	-0.0312	0.0015	0.0231	-0.0619	-0.7399	1.0900	0.0124	0.3492	0.0113	0.3204
166	56.65	0.04	-0.0310	0.0035	0.0210	-0.1246	-0.6791	1.1071	0.0126	0.3462	0.0116	0.3127
167	56.80	0.00	-0.0414	0.0012	0.0231	-0.0280	-0.5571	1.1141	0.0118	0.3537	0.0106	0.3175
168	56.95	0.02	-0.0565	0.0012	0.0204	-0.0205	-0.3501	1.0917	0.0115	0.3474	0.0105	0.3182
169	57.10	0.03	-0.1017	-0.0027	0.0131	-0.0266	-0.1290	1.0916	0.0115	0.3519	0.0105	0.3224
170	57.24	-0.02	-0.0804	-0.0019	0.0275	0.0240	-0.3421	1.0972	0.0106	0.3523	0.0097	0.3211
171	57.39	0.02	-0.1375	-0.0027	0.0115	-0.0198	-0.0835	1.1188	0.0112	0.3573	0.0100	0.3155
172	57.55	-0.01	-0.1106	-0.0012	0.0234	0.0105	-0.2091	1.1364	0.0109	0.3657	0.0096	0.3210
173	57.70	-0.10	-0.0785	-0.0006	0.0321	-0.0093	-0.4091	1.1466	0.0107	0.3646	0.0093	0.3180
174	57.84	-0.08	-0.0783	-0.0004	0.0301	-0.0049	-0.3842	1.1550	0.0104	0.3687	0.0090	0.3192
175	58.00	-0.05	-0.0305	0.0031	0.0466	-0.1000	-1.3219	1.1776	0.0084	0.3790	0.0071	0.3183
176	58.12	-0.11	-0.0371	0.0015	0.0290	-0.0417	-0.7839	1.1722	0.0081	0.3701	0.0065	0.3157
177	58.17	-0.06	-0.0346	0.0015	0.0304	-0.0557	-0.8774	1.1862	0.0084	0.3747	0.0071	0.3158
178	58.17	-0.12	-0.0514	-0.0004	0.0206	0.0075	-0.4053	1.1364	0.0093	0.3584	0.0081	0.3148

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH A10-6			PHI CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 149 C.G.C 1.7			C.C 810F23		O.C		U	-2U	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CH3	CH3	ACPF3	YCPF3	CNF4	CH4	CH4	ACPF4	YCPF4
1	-5.70	-0.01	0.0441	5.5555	0.0232	5.5555	0.5252	-0.6743	-0.0228	-0.2735	0.0338	0.4657
2	-5.69	0.00	0.0366	5.5555	0.0227	5.5555	0.5846	-0.6663	-0.0231	-0.2709	0.0345	0.4654
3	-5.68	0.00	0.0368	5.5555	0.0217	5.5555	0.5597	-0.6665	-0.0225	-0.2731	0.0336	0.4655
4	-4.89	0.01	0.0753	5.5555	0.0381	5.5555	0.5051	-0.6770	-0.0233	-0.2737	0.0345	0.4643
5	-3.65	0.00	-0.0010	5.5555	0.0206	5.5555	-21.3000	-0.9272	-0.0262	-0.3560	0.0283	0.3661
6	-1.86	0.01	0.0050	5.5555	0.0234	5.5555	2.4545	-0.8615	-0.0293	-0.3403	0.0340	0.3650
7	-0.04	0.01	0.0014	5.5555	0.0260	5.5555	17.9333	-0.8062	-0.0379	-0.3238	0.0470	0.4616
8	1.76	0.00	-0.0013	5.5555	0.0267	5.5555	-21.3077	-0.7162	-0.0465	-0.2663	0.0648	0.3586
9	3.60	-0.00	-0.0026	5.5555	0.0263	5.5555	-4.0147	-0.6454	-0.0496	-0.2541	0.0764	0.3514
10	5.40	-0.00	-0.0032	5.5555	0.0261	5.5555	-2.8526	-0.5636	-0.0544	-0.2331	0.0962	0.4121
11	7.25	0.00	-0.0143	5.5555	0.0218	5.5555	-1.5135	-0.4296	-0.0550	-0.1826	0.1280	0.4252
12	9.03	0.00	-0.0274	5.5555	0.0185	5.5555	-0.6761	-0.2695	-0.0479	-0.1236	0.1653	0.4270
13	10.67	-0.00	-0.0354	5.5555	0.0175	5.5555	-0.5041	-0.1692	-0.0302	-0.0692	0.2025	0.4638
14	12.60	0.00	-0.0429	5.5555	0.0201	5.5555	-2.2500	-0.0518	-0.0063	-0.0360	0.1210	0.5503
15	14.52	-0.01	0.0055	5.5555	0.0152	5.5555	1.5340	0.0336	0.0217	0.0050	0.5625	0.2325
16	16.42	0.01	0.0127	5.5555	0.0124	5.5555	0.9647	0.1474	0.0448	0.0518	0.3174	0.3514
17	18.31	0.01	0.0026	5.5555	0.0002	5.5555	0.0741	0.2604	0.0639	0.0555	0.2451	0.3548
18	20.17	0.02	0.0027	5.5555	-0.0008	5.5555	-0.2857	0.4640	0.0610	0.1851	0.1745	0.3508
19	22.06	0.04	0.0057	5.5555	-0.0005	5.5555	-1.5553	0.6024	0.0841	0.2451	0.1357	0.4136
20	23.92	0.06	0.0112	5.5555	-0.0125	5.5555	-1.1207	0.5345	0.0728	0.2107	0.1347	0.3563
21	25.80	0.06	0.0218	5.5555	-0.0117	5.5555	-0.5354	0.5438	0.0616	0.2192	0.1122	0.3554
22	27.70	0.04	0.0415	5.5555	0.0055	5.5555	0.0967	0.5440	0.0591	0.2206	0.1086	0.4162
23	27.85	0.01	0.0481	5.5555	-0.0044	5.5555	-0.0924	0.5390	0.0583	0.2244	0.1081	0.4237
24	26.24	0.01	0.0501	5.5555	-0.0001	5.5555	-0.0019	0.5337	0.0594	0.2339	0.1114	0.4383
25	28.45	0.01	0.0636	5.5555	0.0030	5.5555	0.0465	0.5375	0.0546	0.2371	0.1015	0.4407
26	28.83	0.03	0.0742	5.5555	0.0075	5.5555	0.1060	0.5315	0.0552	0.2389	0.1038	0.4491
27	29.14	0.03	0.0695	5.5555	0.0154	5.5555	0.1717	0.5334	0.0527	0.2391	0.0988	0.4483
28	29.42	0.02	0.0717	5.5555	0.0166	5.5555	0.0942	0.5306	0.0515	0.2410	0.0971	0.4541
29	29.70	0.02	0.0625	5.5555	0.0042	5.5555	0.0639	0.5194	0.0498	0.2378	0.0959	0.4579
30	29.98	0.02	0.0635	5.5555	0.0034	5.5555	0.0468	0.5257	0.0467	0.2415	0.0927	0.4594
31	30.25	0.04	0.0718	5.5555	0.0057	5.5555	0.0795	0.5198	0.0487	0.2400	0.0937	0.4617
32	30.52	0.03	0.0614	5.5555	0.0017	5.5555	0.0263	0.5265	0.0481	0.2407	0.0914	0.4572
33	30.60	0.04	0.0645	5.5555	0.0120	5.5555	0.1409	0.5267	0.0479	0.2462	0.0909	0.4675
34	31.08	0.04	0.0528	5.5555	0.0147	5.5555	0.1380	0.5298	0.0474	0.2496	0.0903	0.4715
35	31.35	0.05	0.0675	5.5555	0.0132	5.5555	0.1310	0.5325	0.0473	0.2511	0.0887	0.4711
36	31.61	0.04	0.0744	5.5555	0.0080	5.5555	0.1077	0.5328	0.0479	0.2522	0.0858	0.4734
37	31.90	0.04	0.0652	5.5555	0.0066	5.5555	0.0948	0.5329	0.0476	0.2544	0.0853	0.4775
38	32.15	0.05	0.0675	5.5555	0.0132	5.5555	0.1310	0.5390	0.0473	0.2561	0.0877	0.4789
39	32.41	0.05	0.0623	5.5555	0.0117	5.5555	0.1419	0.5419	0.0476	0.2595	0.0878	0.4788
40	32.68	0.06	0.0651	5.5555	0.0075	5.5555	0.1069	0.5511	0.0462	0.2633	0.0839	0.4778
41	32.94	0.05	0.0678	5.5555	0.0152	5.5555	0.1943	0.5506	0.0453	0.2650	0.0822	0.4814
42	33.18	0.06	0.0658	5.5555	0.0175	5.5555	0.1944	0.5565	0.0453	0.2678	0.0813	0.4811
43	33.44	0.04	0.0578	5.5555	0.0152	5.5555	0.1763	0.5507	0.0453	0.2684	0.0822	0.4875
44	33.70	0.04	0.1003	5.5555	0.0225	5.5555	0.2240	0.5658	0.0441	0.2727	0.0775	0.4819
45	33.93	0.05	0.0615	5.5555	0.0158	5.5555	0.1932	0.5667	0.0441	0.2730	0.0775	0.4800
46	34.19	0.03	0.0671	5.5555	0.0163	5.5555	0.2104	0.5750	0.0442	0.2777	0.0752	0.4830

PAGE 3 OF 3
SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 149 0.90 1.7			G.C B10CF23		U.C	0	-20	0	-20	UNKNOWN		
FLINT	ALPHA	BETA	CNF3	CM3	CB3	XCFF3	YCFP3	CAF4	CM4	CB4	XCFF4	YCFP4
47	34.44	0.03	0.0523	5.9999	0.0208	5.9999	0.2257	0.5717	0.0441	0.2754	0.0771	0.4817
48	34.00	0.04	0.0672	5.9999	0.0162	5.9999	0.1050	0.5009	0.0432	0.2742	0.0744	0.4807
49	34.93	0.03	0.0816	5.9999	0.0148	5.9999	0.1804	0.5800	0.0428	0.2810	0.0739	0.4844
50	35.17	0.02	0.0816	5.9999	0.0150	5.9999	0.1934	0.5977	0.0428	0.2844	0.0717	0.4759
51	35.41	0.02	0.0870	5.9999	0.0183	5.9999	0.2106	0.5919	0.0428	0.2873	0.0724	0.4855
52	35.69	0.01	0.0892	5.9999	0.0151	5.9999	0.2268	0.5831	0.0428	0.2867	0.0728	0.4874
53	35.88	0.02	0.0920	5.9999	0.0238	5.9999	0.2592	0.5911	0.0428	0.2902	0.0725	0.4910
54	36.11	0.00	0.0711	5.9999	0.0150	5.9999	0.2103	0.5972	0.0423	0.2906	0.0708	0.4867
55	36.34	0.01	0.0735	5.9999	0.0161	5.9999	0.2192	0.5963	0.0419	0.2934	0.0702	0.4921
56	36.50	0.01	0.0700	5.9999	0.0160	5.9999	0.2105	0.6053	0.0413	0.2951	0.0682	0.4875
57	36.83	0.03	0.0841	5.9999	0.0180	5.9999	0.2144	0.6142	0.0410	0.3001	0.0688	0.4885
58	37.00	0.00	0.0812	5.9999	0.0215	5.9999	0.2090	0.6142	0.0410	0.3001	0.0688	0.4885
59	37.30	0.01	0.0710	5.9999	0.0150	5.9999	0.2106	0.6261	0.0407	0.3020	0.0650	0.4824
60	37.53	0.04	0.0741	5.9999	0.0174	5.9999	0.2281	0.6501	0.0394	0.3136	0.0606	0.4823
61	37.76	0.02	0.0709	5.9999	0.0159	5.9999	0.2245	0.6530	0.0394	0.3148	0.0603	0.4821
62	37.99	0.00	0.0709	5.9999	0.0200	5.9999	0.2029	0.6492	0.0387	0.3141	0.0596	0.4830
63	38.24	0.01	0.0709	5.9999	0.0200	5.9999	0.2029	0.6635	0.0387	0.3184	0.0583	0.4796
64	38.47	0.02	0.0709	5.9999	0.0200	5.9999	0.2029	0.6551	0.0387	0.3189	0.0591	0.4867
65	38.60	0.03	0.0709	5.9999	0.0217	5.9999	0.2768	0.6725	0.0381	0.3212	0.0566	0.4773
66	38.91	0.01	0.0699	5.9999	0.0251	5.9999	0.1016	0.6759	0.0381	0.3236	0.0504	0.4780
67	39.15	0.01	0.0656	5.9999	0.0145	5.9999	0.2205	0.6907	0.0375	0.3280	0.0543	0.4748
68	39.40	0.01	0.0700	5.9999	0.0150	5.9999	0.2091	0.6907	0.0375	0.3302	0.0543	0.4780
69	39.61	0.01	0.0699	5.9999	0.0101	5.9999	0.2031	0.7026	0.0372	0.3332	0.0530	0.4742
70	39.82	0.01	0.0444	5.9999	0.0127	5.9999	0.2870	0.7045	0.0370	0.3328	0.0525	0.4724
71	40.03	0.01	0.0366	5.9999	0.0060	5.9999	0.1627	0.7104	0.0364	0.3343	0.0512	0.4708
72	40.23	0.00	0.0415	5.9999	0.0055	5.9999	0.2258	0.7224	0.0358	0.3384	0.0496	0.4684
73	40.46	0.01	0.0416	5.9999	0.0116	5.9999	0.2771	0.7313	0.0355	0.3412	0.0488	0.4668
74	40.67	0.01	0.0392	5.9999	0.0113	5.9999	0.2882	0.7314	0.0352	0.3412	0.0462	0.4665
75	40.80	0.01	0.0548	5.9999	0.0167	5.9999	0.3046	0.7313	0.0352	0.3401	0.0482	0.4651
76	41.07	0.01	0.0391	5.9999	0.0124	5.9999	0.3160	0.7432	0.0346	0.3442	0.0406	0.4631
77	41.29	0.00	0.0470	5.9999	0.0140	5.9999	0.2977	0.7550	0.0343	0.3473	0.0455	0.4598
78	41.47	0.00	0.0391	5.9999	0.0124	5.9999	0.3160	0.7610	0.0341	0.3495	0.0448	0.4597
79	41.67	0.02	0.0364	5.9999	0.0132	5.9999	0.3634	0.7641	0.0338	0.3522	0.0442	0.4605
80	41.80	0.00	0.0391	5.9999	0.0124	5.9999	0.3160	0.7522	0.0341	0.3470	0.0453	0.4613
81	42.07	0.01	0.0443	5.9999	0.0145	5.9999	0.3355	0.7641	0.0335	0.3511	0.0438	0.4593
82	42.24	0.00	0.0391	5.9999	0.0078	5.9999	0.2245	0.7730	0.0332	0.3528	0.0425	0.4564
83	42.43	0.00	0.0390	5.9999	0.0134	5.9999	0.3980	0.7731	0.0332	0.3550	0.0429	0.4592
84	42.63	0.00	0.0200	5.9999	0.0115	5.9999	0.4020	0.8026	0.0324	0.3637	0.0404	0.4531
85	42.77	0.01	0.0364	5.9999	0.0132	5.9999	0.3634	0.7790	0.0327	0.3576	0.0420	0.4590
86	42.97	0.00	0.0304	5.9999	0.0132	5.9999	0.3634	0.8145	0.0316	0.3667	0.0387	0.4501
87	43.18	0.00	0.0320	5.9999	0.0103	5.9999	0.3978	0.8116	0.0316	0.3666	0.0389	0.4514
88	43.30	0.02	0.0320	5.9999	0.0140	5.9999	0.4143	0.8059	0.0313	0.3660	0.0388	0.4541
89	43.55	0.00	0.0303	5.9999	0.0132	5.9999	0.4202	0.8028	0.0318	0.3658	0.0397	0.4598
90	43.71	0.00	0.0403	5.9999	0.0204	5.9999	0.4124	0.8029	0.0316	0.3658	0.0393	0.4554
91	43.92	0.01	0.0388	5.9999	0.0185	5.9999	0.4776	0.8030	0.0313	0.3658	0.0389	0.4555
92	44.13	0.01	0.0154	5.9999	0.0105	5.9999	0.6812	0.8308	0.0302	0.3774	0.0361	0.4509

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIO-6			PHI	CONF	L	CELL	DEL2	DEL3	DEL4	TRANSITION		
7 145 0.50 1.7			0.0	0.00F23	0.0	0	-20	0	-20	UNKNOWN		
PCINT	ALPHA	BETA	CONF	LM3	LOS	LCPF3	YCPF3	CONF	CH4	CO4	LCPF4	YCPF4
93	44.28	0.02	0.0452	5.5555	0.0214	5.5555	0.4353	0.0007	0.0313	0.3694	0.0387	0.4567
94	44.40	0.00	0.0455	5.5555	0.0103	5.5555	0.4243	0.0003	0.0304	0.3752	0.0366	0.4524
95	44.60	-0.01	0.0451	5.5555	0.0234	5.5555	0.4774	0.0145	0.0313	0.3698	0.0384	0.4540
96	44.80	-0.00	0.0570	5.5555	0.0251	5.5555	0.4399	0.0088	0.0307	0.3671	0.0375	0.4539
97	45.01	-0.02	0.0002	5.5555	0.0041	5.5555	-21.0000	0.0531	0.0256	0.3612	0.0349	0.4468
98	45.15	-0.00	0.0544	5.5555	0.0245	5.5555	0.4274	0.0003	0.0307	0.3713	0.0374	0.4525
99	45.35	-0.01	0.0541	5.5555	0.0206	5.5555	0.5312	0.0414	0.0298	0.3782	0.0354	0.4455
100	45.50	-0.02	0.0203	5.5555	0.0177	5.5555	0.6240	0.0356	0.0295	0.3777	0.0353	0.4521
101	45.71	-0.02	0.0205	5.5555	0.0140	5.5555	0.6340	0.0415	0.0295	0.3753	0.0351	0.4508
102	45.90	0.01	0.0147	5.5555	0.0113	5.5555	0.8084	0.0632	0.0301	0.3875	0.0345	0.4494
103	46.07	-0.03	0.0588	5.5555	0.0206	5.5555	0.5299	0.0398	0.0253	0.3785	0.0345	0.4507
104	46.26	-0.01	0.0176	5.5555	0.0158	5.5555	0.8913	0.0574	0.0296	0.3853	0.0345	0.4494
105	46.44	-0.01	0.0335	5.5555	0.0202	5.5555	0.6023	0.0634	0.0290	0.3846	0.0336	0.4455
106	46.60	-0.02	0.0231	5.5555	0.0152	5.5555	0.6011	0.0600	0.0295	0.3840	0.0345	0.4493
107	46.80	-0.02	0.0230	5.5555	0.0173	5.5555	0.7521	0.0675	0.0301	0.3866	0.0347	0.4457
108	46.98	-0.04	0.0203	5.5555	0.0173	5.5555	0.8240	0.0707	0.0298	0.3812	0.0342	0.4492
109	47.12	-0.03	0.0230	5.5555	0.0173	5.5555	0.7521	0.0605	0.0284	0.3845	0.0319	0.4460
110	47.30	-0.01	0.0230	5.5555	0.0173	5.5555	0.7521	0.0612	0.0292	0.3838	0.0328	0.4418
111	47.48	-0.01	0.0204	5.5555	0.0160	5.5555	0.7867	0.0611	0.0289	0.3814	0.0325	0.4442
112	47.66	-0.02	0.0349	5.5555	0.0246	5.5555	0.8047	0.0899	0.0285	0.3841	0.0325	0.4429
113	47.82	0.00	0.0462	5.5555	0.0263	5.5555	0.8367	0.0855	0.0284	0.3853	0.0320	0.4464
114	48.00	-0.03	0.0202	5.5555	0.0187	5.5555	0.8044	0.0901	0.0284	0.3886	0.0315	0.4428
115	48.18	-0.00	0.0100	5.5555	0.0111	5.5555	1.1058	0.0893	0.0300	0.4002	0.0334	0.4455
116	48.34	-0.02	0.0100	5.5555	0.0111	5.5555	1.1058	0.0894	0.0294	0.4002	0.0328	0.4455
117	48.54	-0.01	0.0230	5.5555	0.0172	5.5555	0.7479	0.0958	0.0289	0.3877	0.0323	0.4441
118	48.69	-0.01	0.0204	5.5555	0.0160	5.5555	0.7867	0.0909	0.0295	0.3858	0.0331	0.4443
119	48.85	0.01	0.0334	5.5555	0.0201	5.5555	0.6012	0.0893	0.0294	0.3825	0.0331	0.4418
120	49.03	0.03	0.0358	5.5555	0.0244	5.5555	0.6019	0.0913	0.0285	0.3861	0.0321	0.4417
121	49.21	0.02	0.0468	5.5555	0.0285	5.5555	0.5830	0.0902	0.0254	0.3865	0.0328	0.4418
122	49.35	0.07	0.0384	5.5555	0.0246	5.5555	0.6407	0.0938	0.0294	0.3870	0.0329	0.4442
123	49.60	0.08	0.0385	5.5555	0.0225	5.5555	0.5840	0.0950	0.0316	0.4002	0.0350	0.4423
124	49.78	0.02	0.0385	5.5555	0.0226	5.5555	0.5865	0.0832	0.0300	0.3940	0.0340	0.4468
125	49.90	0.01	0.0405	5.5555	0.0258	5.5555	0.6297	0.0867	0.0286	0.3852	0.0318	0.4446
126	50.13	0.03	0.0280	5.5555	0.0217	5.5555	0.7759	0.0957	0.0283	0.3855	0.0314	0.4440
127	50.31	0.05	0.0382	5.5555	0.0206	5.5555	0.6970	0.0908	0.0271	0.4012	0.0298	0.4414
128	50.45	0.02	0.0383	5.5555	0.0245	5.5555	0.6398	0.0903	0.0283	0.3865	0.0315	0.4440
129	50.66	0.05	0.0358	5.5555	0.0253	5.5555	0.7100	0.0900	0.0283	0.4025	0.0311	0.4428
130	50.84	0.07	0.0331	5.5555	0.0221	5.5555	0.6070	0.0910	0.0277	0.4028	0.0304	0.4427
131	50.99	0.05	0.0423	5.5555	0.0265	5.5555	0.6214	0.0906	0.0270	0.4043	0.0297	0.4445
132	51.20	0.05	0.0331	5.5555	0.0220	5.5555	0.6047	0.0905	0.0270	0.3899	0.0297	0.4402
133	51.35	0.04	0.0423	5.5555	0.0255	5.5555	0.5969	0.0902	0.0267	0.4080	0.0294	0.4461
134	51.54	0.00	0.0465	5.5555	0.0273	5.5555	0.5026	0.0904	0.0270	0.4042	0.0267	0.4449
135	51.74	0.06	0.0536	5.5555	0.0288	5.5555	0.5360	0.0911	0.0270	0.3998	0.0300	0.4437
136	51.91	0.01	0.0463	5.5555	0.0314	5.5555	0.6487	0.0914	0.0264	0.4056	0.0285	0.4437
137	52.06	0.05	0.0433	5.5555	0.0255	5.5555	0.5969	0.0907	0.0270	0.4024	0.0258	0.4438
138	52.23	0.06	0.0465	5.5555	0.0284	5.5555	0.5845	0.0919	0.0262	0.3883	0.0312	0.4418

PAGE 3 OF 3
SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART		MACH		FXIC-6		PHI	CONF	L	CELL	DEL2	DEL3	DEL4	TRANSITION
1		145 0.50 1.7		C.C		BINGF23		0.0	0	-20	0	-20	UNKNOWN
FLINT	ALPHA	LETA	CONF3	CH3	CO3	ACPF3	YCPF3	CONF4	CF4	CB4	ACPF4	YCPF4	
137	52.36	0.09	0.0483	5.5555	0.0253	5.5555	0.6068	0.5006	0.0273	0.4019	0.0303	0.4462	
140	52.56	0.07	0.0535	5.5555	0.0317	5.5555	0.5439	0.6417	0.0216	0.3437	0.0305	0.4415	
141	52.74	0.07	0.0560	5.5555	0.0325	5.5555	0.5879	0.6813	0.0287	0.3503	0.0325	0.4429	
142	52.89	0.07	0.0571	5.5555	0.0281	5.5555	0.6139	0.8402	0.0481	0.3552	0.0315	0.4440	
143	53.00	0.09	0.0431	5.5555	0.0268	5.5555	0.6219	0.8487	0.0281	0.3585	0.0312	0.4416	
144	53.22	0.10	0.0586	5.5555	0.0321	5.5555	0.5486	0.9098	0.0269	0.3554	0.0298	0.4414	
145	53.38	0.07	0.0482	5.5555	0.0252	5.5555	0.6060	0.9052	0.0268	0.4013	0.0293	0.4414	
146	53.55	0.06	0.0506	5.5555	0.0315	5.5555	0.6196	0.9005	0.0260	0.3574	0.0256	0.4413	
147	53.71	0.08	0.0526	5.5555	0.0331	5.5555	0.5051	0.9017	0.0265	0.3580	0.0255	0.4414	
148	53.84	0.05	0.0381	5.5555	0.0245	5.5555	0.6390	0.9031	0.0264	0.3587	0.0250	0.4415	
149	54.00	0.05	0.0378	5.5555	0.0269	5.5555	0.7500	0.8972	0.0269	0.3540	0.0300	0.4391	
150	54.17	0.03	0.0535	5.5555	0.0256	5.5555	0.5562	0.9161	0.0263	0.4032	0.0288	0.4401	
151	54.33	0.05	0.0534	5.5555	0.0308	5.5555	0.5732	0.9266	0.0255	0.4066	0.0275	0.4412	
152	54.40	0.06	0.0481	5.5555	0.0312	5.5555	0.6400	0.9267	0.0252	0.4131	0.0272	0.4458	
153	54.64	0.04	0.0536	5.5555	0.0306	5.5555	0.5732	0.9266	0.0255	0.4055	0.0275	0.4424	
154	54.78	0.07	0.0424	5.5555	0.0245	5.5555	0.6062	0.9194	0.0252	0.4055	0.0274	0.4458	
155	54.93	0.08	0.0375	5.5555	0.0253	5.5555	0.6867	0.9266	0.0252	0.4102	0.0272	0.4492	
156	55.11	0.07	0.0524	5.5555	0.0308	5.5555	0.5732	0.9297	0.0244	0.4208	0.0268	0.4526	
157	55.26	0.07	0.0636	5.5555	0.0344	5.5555	0.5417	0.9298	0.0244	0.4240	0.0283	0.4560	
158	55.40	0.01	0.0456	5.5555	0.0260	5.5555	0.6131	0.9125	0.0244	0.4205	0.0268	0.4608	
159	55.57	0.04	0.0481	5.5555	0.0271	5.5555	0.5631	0.9140	0.0240	0.4233	0.0263	0.4631	
160	55.77	0.05	0.0456	5.5555	0.0254	5.5555	0.5666	0.9140	0.0246	0.4276	0.0264	0.4675	
161	55.87	0.05	0.0481	5.5555	0.0251	5.5555	0.6066	0.8994	0.0252	0.4234	0.0280	0.4708	
162	56.04	0.05	0.0481	5.5555	0.0251	5.5555	0.6066	0.9112	0.0243	0.4317	0.0267	0.4737	
163	56.18	0.06	0.0481	5.5555	0.0258	5.5555	0.5573	0.9060	0.0258	0.4208	0.0291	0.4745	
164	56.34	0.00	0.0556	5.5555	0.0306	5.5555	0.5519	0.9111	0.0240	0.4326	0.0264	0.4748	
165	56.50	0.04	0.0380	5.5555	0.0223	5.5555	0.5863	0.9050	0.0255	0.4324	0.0281	0.4777	
166	56.65	0.04	0.0556	5.5555	0.0306	5.5555	0.5514	0.9062	0.0255	0.4259	0.0282	0.4766	
167	56.80	0.00	0.0483	5.5555	0.0261	5.5555	0.5409	0.9033	0.0263	0.4315	0.0293	0.4793	
168	56.95	0.02	0.0519	5.5555	0.0243	5.5555	0.6412	0.9091	0.0263	0.4353	0.0290	0.4785	
169	57.10	0.03	0.0329	5.5555	0.0215	5.5555	0.6857	0.9262	0.0271	0.4355	0.0293	0.4745	
170	57.24	0.02	0.0515	5.5555	0.0243	5.5555	0.6412	0.9260	0.0280	0.4410	0.0302	0.4763	
171	57.35	0.02	0.0303	5.5555	0.0206	5.5555	0.6815	0.9468	0.0261	0.4455	0.0275	0.4752	
172	57.55	0.01	0.0450	5.5555	0.0207	5.5555	0.6211	0.9497	0.0266	0.4465	0.0282	0.4732	
173	57.70	0.00	0.0325	5.5555	0.0215	5.5555	0.6857	0.9337	0.0258	0.4384	0.0277	0.4711	
174	57.84	0.00	0.0228	5.5555	0.0180	5.5555	0.7034	0.9276	0.0269	0.4405	0.0290	0.4746	
175	58.00	0.05	0.0353	5.5555	0.0252	5.5555	0.7131	0.8987	0.0261	0.4263	0.0290	0.4748	
176	58.12	0.01	0.0304	5.5555	0.0206	5.5555	0.6794	0.8530	0.0255	0.4235	0.0285	0.4747	
177	58.17	0.05	0.0303	5.5555	0.0227	5.5555	0.7484	0.9076	0.0252	0.4281	0.0277	0.4717	
178	58.17	0.02	0.0200	5.5555	0.0195	5.5555	0.9452	0.9017	0.0258	0.4256	0.0286	0.4720	

PAGE 1 OF 3
SHEET 1 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART		MACH		AXIS		PR		CONF		DEL1	DEL2	DEL3	DEL4	TRANSITION
7		150		1.00		1.7		C.G. BLIND		0	-20	0	-20	UNKNOWN
PCINT	ALPHA	BETA	CM	CLM	CLN	CLL	CA	CAB	CAF	XCP				
1	-5.74	0.01	-1.1340	3.7974	0.1455	-0.2002	0.0191	0.2470	0.4696	-3.3487				
2	-5.74	0.00	-1.1350	3.7842	0.1101	-0.1729	0.0190	0.2469	0.4677	-3.3341				
3	-5.75	-0.00	-1.1555	3.7656	0.0480	-0.1657	0.0166	0.2485	0.4712	-3.2672				
4	-5.85	-0.00	-1.1525	3.8248	0.0727	-0.1684	0.0190	0.2410	0.4782	-3.3777				
5	-4.14	-0.00	-0.9975	3.8575	0.0625	-0.2000	0.0256	0.2271	0.4799	-3.6671				
6	-2.95	-0.03	-0.8822	3.7502	0.0534	-0.2187	0.0203	0.2096	0.4670	-4.3503				
7	-0.79	0.00	-0.7215	3.5545	0.0711	-0.1869	0.0146	0.2505	0.4578	-4.9272				
8	1.04	-0.01	-0.5367	3.2687	0.0243	-0.1431	0.0152	0.2200	0.4355	-6.0905				
9	2.95	-0.00	-0.3421	2.9757	0.0051	-0.1125	0.0156	0.2546	0.4115	-6.6589				
10	4.72	0.01	-0.1623	2.8642	0.0051	-0.0897	0.0103	0.2727	0.3854	-16.4166				
11	6.59	0.01	3.0522	2.3265	0.0768	-0.1008	0.0105	0.2338	0.3466	44.5923				
12	8.43	0.00	0.2786	1.9964	0.0344	-0.0564	0.0173	0.4097	0.3087	7.1648				
13	10.26	0.00	0.5165	1.6726	0.0175	-0.0400	0.0237	0.4553	0.1780	3.2385				
14	12.12	-0.01	0.8100	1.2777	-0.0030	-0.0147	0.0166	0.4102	0.1746	1.5758				
15	13.99	-0.00	1.0877	1.0243	-0.0025	-0.0071	0.0078	0.3774	0.1773	0.5417				
16	15.82	-0.01	1.3618	0.7950	-0.0012	0.0000	0.0145	0.3449	0.1810	0.5471				
17	17.65	-0.00	1.6725	0.4651	-0.0072	0.2614	0.0146	0.3367	0.1855	0.2780				
18	19.74	-0.01	2.0321	0.2634	-0.1771	0.4799	0.0096	0.2685	0.1936	0.0749				
19	21.67	0.00	2.4355	0.0365	-0.0230	0.3382	-0.0002	0.2213	0.1966	0.0247				
20	23.64	-0.01	2.9053	0.1215	-0.2614	0.7691	-0.0224	0.1781	0.1982	-0.0021				
21	25.57	0.02	3.5216	0.2750	0.1891	-0.4277	0.0257	0.1227	0.1876	-0.0549				
22	27.55	0.05	4.1486	0.5743	0.6201	-1.2191	0.0746	0.0614	0.1906	-0.1052				
23	28.02	0.06	4.2127	0.5841	0.6371	-1.1430	0.0690	0.0554	0.1862	-0.1308				
24	28.31	0.06	4.3173	0.5764	0.6050	-1.2618	0.0754	0.0583	0.1869	-0.1266				
25	28.59	0.05	4.3863	0.7244	0.5479	-1.0084	0.0638	0.0428	0.1824	-0.1356				
26	28.92	0.05	4.4563	0.7111	0.5519	-1.0504	0.0701	0.0345	0.1840	-0.1501				
27	29.23	0.05	4.6616	0.8123	0.6359	-1.1721	0.0708	0.0343	0.1839	-0.1456				
28	29.52	0.06	4.7145	0.8380	0.7131	-1.3136	0.0715	0.0255	0.1873	-0.1618				
29	29.81	0.07	4.7771	0.8601	0.8874	-1.6515	0.0782	0.0312	0.1888	-0.1576				
30	30.09	0.07	4.8880	0.8101	0.8888	-1.8015	0.0802	0.0255	0.1873	-0.1616				
31	30.36	0.07	4.9123	0.8240	0.9057	-1.7033	0.0847	0.0216	0.1869	-0.1653				
32	30.62	0.07	5.0012	0.8043	0.9251	-1.4451	0.0768	0.0122	0.1811	-0.1665				
33	30.91	0.07	5.1100	0.9579	0.9450	-1.5154	0.0795	0.0036	0.1811	-0.1775				
34	31.18	0.06	5.1762	0.9551	0.9388	-1.3091	0.0744	-0.0014	0.1774	-0.1788				
35	31.46	0.07	5.3305	1.0067	0.9505	-1.2552	0.0800	-0.0151	0.1766	-0.1907				
36	31.73	0.05	5.3430	1.0600	0.9283	-1.9505	0.0824	-0.0248	0.1845	-0.1943				
37	32.00	0.05	5.4544	1.2174	0.6765	-1.1484	0.0573	-0.0314	0.1720	-0.2034				
38	32.26	0.06	5.5040	1.3467	0.7645	-1.3583	0.0647	-0.0307	0.1720	-0.2035				
39	32.52	0.05	5.6016	1.4500	0.6584	-1.3516	0.0758	-0.0294	0.1710	-0.2004				
40	32.79	0.05	5.6615	1.5850	0.5550	-1.5212	0.0524	-0.0429	0.1645	-0.2078				
41	33.05	0.05	5.7734	1.6437	0.5507	-1.2050	0.0764	-0.0420	0.1666	-0.2086				
42	33.29	0.04	5.7534	1.7557	0.4907	-1.9020	0.0530	-0.0447	0.1653	-0.2100				
43	33.56	0.04	5.9224	1.8035	0.5061	-1.0787	0.0712	-0.0438	0.1646	-0.2086				
44	33.79	0.03	5.9214	1.9446	0.4008	-1.8170	0.0535	-0.0479	0.1653	-0.2132				
45	34.03	0.04	6.0322	2.0341	0.4766	-0.7859	0.0598	-0.0567	0.1677	-0.2244				
46	34.31	0.05	6.1706	2.0536	0.5616	-0.8455	0.0721	-0.0576	0.1700	-0.2276				

PAGE 1 OF 3
 SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART		MACF		RX10-6		PHI	CLNF	L	DELI	DEL2	DEL3	DEL4	TRANSITION
1		150		1.00		1.7		0.0	0.0	-20	0	-20	UNKNOWN
PCINT	ALPHA	BETA	LN	CLN	CV	CLL	CA	CAB	CAF	XCP			
47	34.56	0.04	8.2555	2.1130	0.4631	-0.8140	0.0666	-0.0633	0.1726	-0.2359	0.3376		
48	34.77	0.05	8.2580	2.1143	0.5547	-0.5205	0.0643	-0.0584	0.1734	-0.2323	0.3375		
49	35.03	0.02	8.3245	2.2868	0.2257	-0.3317	0.0549	-0.0641	0.1718	-0.2359	0.3596		
50	35.24	0.03	8.3405	2.2724	0.4054	-0.6126	0.0676	-0.0720	0.1700	-0.2420	0.3505		
51	35.51	0.03	8.4486	2.3061	0.3248	-0.3174	0.0554	-0.0657	0.1716	-0.2375	0.3539		
52	35.76	0.02	8.6283	2.3472	0.2540	-0.3501	0.0619	-0.0789	0.1711	-0.2500	0.3536		
53	35.99	0.02	8.6887	2.3751	0.3553	-0.5568	0.0682	-0.0775	0.1711	-0.2486	0.3557		
54	36.21	0.02	8.7764	2.4257	0.2575	-0.3531	0.0567	-0.0812	0.1692	-0.2504	0.3580		
55	36.45	0.02	8.8733	2.3832	0.2646	-0.2809	0.0567	-0.0813	0.1711	-0.2524	0.3488		
56	36.71	0.03	8.9081	2.5053	0.3661	-0.4373	0.0692	-0.0873	0.1685	-0.2558	0.3596		
57	36.94	0.04	8.9587	2.4517	0.4531	-0.5876	0.0871	-0.0756	0.1737	-0.2455	0.3503		
58	37.15	0.03	7.0075	2.4145	0.3700	-0.4765	0.0754	-0.0957	0.1689	-0.2646	0.3416		
59	37.41	0.04	7.2153	2.5276	0.4786	-0.6162	0.0713	-0.0877	0.1728	-0.2605	0.3503		
60	37.64	0.04	7.3022	2.5517	0.2775	-0.4465	0.0595	-0.1109	0.1645	-0.2753	0.3275		
61	37.87	0.03	7.4035	2.3575	0.4030	-0.6165	0.0835	-0.0961	0.1736	-0.2657	0.3238		
62	38.11	0.03	7.4750	2.4014	0.4501	-0.6598	0.0806	-0.0900	0.1675	-0.2635	0.3212		
63	38.34	0.02	7.5557	2.3781	0.4104	-0.6544	0.0726	-0.1060	0.1671	-0.2730	0.3146		
64	38.58	0.01	7.6544	2.3566	0.3490	-0.6172	0.0672	-0.1159	0.1692	-0.2640	0.3067		
65	38.79	0.05	7.7431	2.3348	0.7422	-0.5055	0.0913	-0.1058	0.1755	-0.2812	0.3015		
66	39.01	0.04	7.8005	2.3550	0.5475	-0.6030	0.0680	-0.1153	0.1657	-0.2865	0.2994		
67	39.23	0.04	7.9335	2.2600	0.6455	-0.9156	0.0802	-0.1257	0.1687	-0.2904	0.2850		
68	39.44	0.05	7.9740	2.2513	0.6337	-0.7622	0.0861	-0.1204	0.1705	-0.3015	0.2823		
69	39.64	0.04	8.0376	2.3040	0.5747	-0.7060	0.0668	-0.1257	0.1725	-0.3022	0.2867		
70	39.86	0.03	8.1477	2.2505	0.4605	-0.7588	0.0692	-0.1400	0.1635	-0.3115	0.2811		
71	40.07	0.04	8.1562	2.3576	0.5402	-0.5738	0.0692	-0.1385	0.1703	-0.3088	0.2898		
72	40.25	0.05	8.2528	2.2767	0.6137	-0.5491	0.0610	-0.1406	0.1725	-0.3125	0.2759		
73	40.47	0.03	8.3211	2.3209	0.4021	-0.4930	0.0696	-0.1557	0.1742	-0.3259	0.2787		
74	40.65	0.04	8.4023	2.3467	0.4660	-0.4751	0.0659	-0.1551	0.1650	-0.3241	0.2755		
75	40.86	0.04	8.5045	2.3828	0.5462	-0.5577	0.0764	-0.1479	0.1712	-0.3151	0.2802		
76	41.10	0.02	8.5630	2.3215	0.4311	-0.4480	0.0705	-0.1554	0.1670	-0.3237	0.2781		
77	41.29	0.04	8.6052	2.3321	0.5610	-0.5605	0.0709	-0.1644	0.1725	-0.3365	0.2710		
78	41.49	0.04	8.7414	2.3274	0.3754	-0.5186	0.0654	-0.1636	0.1684	-0.3520	0.2663		
79	41.69	0.02	8.8308	2.3721	0.4356	-0.6813	0.0661	-0.1796	0.1634	-0.3430	0.2686		
80	41.85	0.04	8.8562	2.4245	0.3732	-0.5577	0.0661	-0.1620	0.1707	-0.3527	0.2738		
81	42.08	0.03	8.8807	2.4527	0.4531	-0.5102	0.0720	-0.1595	0.1659	-0.3294	0.2772		
82	42.27	0.03	8.9406	2.4705	0.5680	-0.5051	0.0723	-0.1600	0.1709	-0.3305	0.2764		
83	42.46	0.02	9.0715	2.3850	0.4462	-0.6059	0.0670	-0.1639	0.1735	-0.3424	0.2629		
84	42.65	0.03	9.1844	2.3765	0.4547	-0.6433	0.0632	-0.1654	0.1750	-0.3584	0.2550		
85	42.83	0.02	9.2580	2.3835	0.3637	-0.2273	0.0727	-0.1763	0.1676	-0.3541	0.2574		
86	43.00	0.03	9.3070	2.4174	0.4061	-0.7345	0.0681	-0.1755	0.1700	-0.3443	0.2597		
87	43.18	0.02	9.2671	2.4375	0.4008	-0.3687	0.0674	-0.1656	0.1691	-0.3347	0.2630		
88	43.36	0.03	9.4543	2.4553	0.3553	-0.2276	0.0755	-0.1747	0.1670	-0.3425	0.2586		
89	43.56	0.01	9.5153	2.3400	0.3647	-0.3451	0.0683	-0.1809	0.1743	-0.3548	0.2458		
90	43.73	0.01	9.6744	2.4035	0.4175	-0.6395	0.0593	-0.1831	0.1687	-0.3518	0.2485		
91	43.94	-0.01	9.8677	2.3650	0.2476	-0.3782	0.0689	-0.1863	0.1721	-0.3584	0.2450		
92	44.18	0.01	9.8528	2.4311	0.3106	-0.6714	0.0733	-0.1848	0.1746	-0.3594	0.2508		

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

PCINT	TEST PART FACH-RATIO-6			PHI CONF		L		DECI	DE2	DE3	DE4	TRANSITION
	1	150	1.00	1.7	0.0	8160	2.3	0.0	-20	0	-20	UNKNOWN
	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAF	ACP	
93	44.35	0.01	5.7025	2.3224	0.4556	-0.5766	0.0695	-0.1816	0.1694	-0.3510	0.2599	
94	44.55	0.02	5.6426	2.3332	0.4163	-0.4850	0.0697	-0.1771	0.1737	-0.3506	0.2371	
95	44.70	0.01	5.6493	2.3627	0.3370	-0.1521	0.0693	-0.1920	0.1714	-0.3634	0.2370	
96	44.95	0.01	5.5770	2.3505	0.4121	-0.3687	0.0700	-0.1931	0.1746	-0.3677	0.2364	
97	45.11	-0.02	10.1155	2.2075	-0.0639	0.3222	0.0683	-0.1805	0.1713	-0.3518	0.2183	
98	45.31	0.00	10.1092	2.3851	0.3114	-0.3555	0.0704	-0.2070	0.1666	-0.3736	0.2359	
99	45.51	-0.01	10.2568	2.2245	0.1761	-0.1363	0.0706	-0.2027	0.1667	-0.3654	0.2199	
100	45.68	0.01	10.3362	2.3054	0.3400	-0.1522	0.0706	-0.2063	0.1654	-0.3737	0.2230	
101	45.85	0.01	10.3475	2.4801	0.1645	-0.8104	0.0739	-0.2075	0.1693	-0.3768	0.2385	
102	46.02	0.03	10.4552	2.3515	0.3591	-0.3405	0.0713	-0.2005	0.1712	-0.3717	0.2248	
103	46.21	-0.01	10.5288	2.1732	-0.3227	-0.5176	0.0720	-0.2026	0.1657	-0.3685	0.2064	
104	46.40	0.01	10.6190	2.4052	0.3341	-0.3745	0.0687	-0.2067	0.1758	-0.3845	0.2265	
105	46.56	0.00	10.6577	2.3200	0.3572	-0.1120	0.0705	-0.1983	0.1752	-0.3735	0.2177	
106	46.72	0.00	10.6045	2.7183	0.2226	-0.8030	0.0680	-0.1860	0.2124	-0.3804	0.2588	
107	46.91	0.03	10.6533	2.4455	0.5557	-0.3654	0.0694	-0.1186	0.2263	-0.3445	0.2304	
108	47.09	-0.01	10.7444	2.4920	0.1882	-0.6060	0.0695	-0.1775	0.2234	-0.4005	0.2315	
109	47.25	0.02	10.8167	2.1574	-0.5670	-0.1215	0.0658	-0.1650	0.2447	-0.4077	0.1954	
110	47.41	0.02	10.8104	1.8790	0.4012	-0.7101	0.0627	-0.0901	0.2492	-0.3693	0.1739	
111	47.62	0.04	11.1057	0.5324	-0.4576	1.2127	0.0206	-0.2562	0.3148	-0.3710	0.0840	
112	47.77	0.02	11.0548	1.0155	0.4040	1.6374	0.0271	-0.0497	0.3165	-0.3682	0.0921	
113	47.97	0.03	11.5500	0.2251	-0.4822	1.6465	0.0315	-0.0357	0.3404	-0.3761	0.0155	
114	48.14	0.06	11.3565	0.3216	-0.7371	1.3575	0.0434	-0.0492	0.3438	-0.3930	0.0458	
115	48.35	0.01	11.8724	-0.1030	0.3513	1.4704	0.0271	-0.0497	0.3468	-0.3585	0.0088	
116	48.52	0.02	11.8770	-0.3525	0.3845	1.9028	0.0199	-0.0500	0.3525	-0.4089	-0.0331	
117	48.72	0.04	11.5889	-0.2668	-0.6107	2.0364	0.0195	-0.0372	0.3480	-0.3852	-0.0224	
118	48.87	0.03	12.0071	-0.2705	0.4752	2.0504	0.0197	-0.0609	0.3458	-0.4067	-0.0225	
119	49.04	0.03	11.9767	-0.2254	0.4455	2.1500	0.0194	-0.0549	0.3443	-0.3992	-0.0152	
120	49.22	0.03	12.0010	-0.2501	0.4455	2.1397	0.0196	-0.0574	0.3412	-0.3986	-0.0212	
121	49.36	0.02	12.1554	-0.2144	0.3542	2.1206	0.0261	-0.0697	0.3348	-0.4045	-0.0176	
122	49.56	0.03	12.1311	-0.2695	0.4689	2.0367	0.0319	-0.0435	0.3338	-0.3773	-0.0222	
123	49.75	-0.00	12.2271	-0.0864	0.1503	1.5056	0.0334	-0.0931	0.3203	-0.4134	-0.0071	
124	49.92	0.03	12.0328	-0.1756	0.5285	1.8551	0.0324	-0.0632	0.3247	-0.3875	-0.0144	
125	50.09	0.02	12.4076	-0.3617	0.3577	1.9062	0.0392	-0.0828	0.3262	-0.4090	-0.0275	
126	50.27	0.02	12.6507	-0.0059	0.4526	1.5555	0.0408	-0.0839	0.3250	-0.4069	-0.0543	
127	50.45	0.01	12.6655	-0.5742	0.4148	1.5287	0.0565	-0.0985	0.3261	-0.4245	-0.0689	
128	50.61	0.01	12.6876	-0.0079	0.3532	1.5065	0.0507	-0.0995	0.3235	-0.4227	-0.0637	
129	50.80	-0.02	12.8715	-1.3533	0.1110	1.5380	0.0551	-0.1032	0.3209	-0.4240	-0.1051	
130	50.96	0.03	12.8257	-1.1006	0.0857	1.1694	0.0712	-0.0980	0.3164	-0.4143	-0.0865	
131	51.09	-0.01	12.3588	-0.1662	0.1677	0.9800	0.0722	-0.0874	0.3153	-0.4027	-0.0136	
132	51.27	-0.00	12.6255	-0.0555	0.6575	0.8520	0.0722	-0.0856	0.3160	-0.4016	-0.0440	
133	51.45	-0.01	12.5835	-0.2501	0.1580	1.0302	0.0726	-0.0749	0.3126	-0.3875	-0.0235	
134	51.62	0.01	12.5015	-0.2071	0.4644	0.8418	0.0726	-0.0525	0.3165	-0.3714	-0.0165	
135	51.80	-0.01	12.7431	-0.3585	0.2526	1.0441	0.0728	-0.0608	0.3267	-0.3875	-0.0282	
136	51.97	0.02	12.9108	-0.7074	0.5155	0.5134	0.0732	-0.0360	0.3307	-0.3667	-0.0548	
137	52.15	-0.02	12.9531	-0.7366	0.1552	1.0504	0.0735	-0.0368	0.3358	-0.3656	-0.0569	
138	52.30	-0.02	12.8625	-0.5215	0.2215	0.8607	0.0740	-0.0208	0.3344	-0.3552	-0.0405	

PAGE 1 OF 3
 SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST	PART	MACF	RA10-E	PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	150	1.00	1.7	0.0	0.100F25	0.0	0	-20	0	-20	UNKNOWN

POINT	ALPHA	BETA	LN	CLM	CV	CLA	CLL	CA	CAB	CAF	XCP
139	52.46	-0.02	12.85E2	-0.5306	0.1699	1.0325	0.0620	-0.0231	0.3373	-0.3604	-0.0412
140	52.04	-0.00	12.9755	-0.7362	0.3056	0.9100	0.0736	-0.0232	0.3403	-0.3635	-0.0567
141	51.61	0.02	12.6600	-0.4430	0.5241	0.8813	0.0782	-0.0636	0.3214	-0.3900	-0.0349
142	50.24	0.03	12.2406	-0.0047	0.4501	1.6102	0.0449	-0.0579	0.3284	-0.3863	-0.0004

PAGE 2 OF 3
SHEET 1 OF 4

MARINA MISSILE TAILS EFFECTS DATA

TEST POINT		MACH		KALC-6		PHI	CNPF	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		1.00		1.0		C.C. BINGF23	C.C.	0	-20	0	-20	UNKNOWN
PCINT	ALPHA	BETA	CNPF1	CH1	COL	ACPF1	YCPF1	CNPF2	CH2	CB2	ACPF2	YCPF2
1	-5.74	0.01	-0.0355	-0.0047	0.0334	0.1164	-0.8357	-1.0533	-0.0152	-0.5372	0.0145	0.5106
2	-5.74	0.00	-0.0515	-0.0046	0.0241	0.0768	-0.5655	-1.0641	-0.0150	-0.5370	0.0141	0.5047
3	-5.75	-0.00	-0.0515	-0.0046	0.0241	0.0768	-0.5655	-1.0535	-0.0147	-0.5331	0.0135	0.5060
4	-5.85	-0.00	-0.0445	-0.0047	0.0305	0.1063	-0.8941	-1.0533	-0.0157	-0.5372	0.0149	0.5106
5	-4.14	-0.00	-0.0442	-0.0036	0.0275	0.0608	-0.6310	-1.0545	-0.0260	-0.5543	0.0246	0.5257
6	-2.35	-0.03	-0.0350	-0.0036	0.0315	0.1017	-0.9118	-0.9831	-0.0247	-0.5360	0.0302	0.5473
7	-0.79	0.00	-0.0301	-0.0011	0.0306	0.0555	-1.0160	-0.8892	-0.0317	-0.4915	0.0357	0.5527
8	1.04	-0.01	-0.0344	0.0043	0.0243	-0.1206	-0.7054	-0.7869	-0.0354	-0.4907	0.0450	0.5727
9	2.95	-0.00	-0.0437	0.0040	0.0213	-0.0505	-0.4675	-0.6726	-0.0326	-0.3918	0.0485	0.5828
10	4.72	0.01	-0.0525	0.0025	0.0181	-0.0547	-0.3431	-0.5230	-0.0296	-0.3361	0.0566	0.6426
11	6.35	0.01	-0.0346	0.0014	0.0291	-0.0416	-0.8366	-0.3614	-0.0202	-0.2762	0.0558	0.7643
12	8.43	0.00	-0.0263	-0.0025	0.0395	0.1099	-1.5165	-0.2319	-0.0116	-0.2605	0.0499	0.8953
13	10.26	0.00	-0.0255	-0.0036	0.0467	0.1796	-2.3455	-0.0916	-0.0029	-0.1506	0.0316	1.6449
14	12.12	-0.01	-0.0516	-0.0054	0.0331	0.1043	-0.6369	0.0459	0.0011	-0.0427	0.0231	-1.8004
15	13.99	-0.00	-0.0671	-0.0050	0.0202	0.0748	-0.5007	0.1335	0.0152	-0.0447	0.1142	-0.3345
16	15.92	-0.01	-0.0711	-0.0075	0.0145	0.1058	-0.2035	0.2208	0.0281	0.0037	0.1272	0.0166
17	17.85	-0.00	-0.1037	-0.0231	0.0120	0.2225	-0.1153	0.3133	0.0409	0.0536	0.1306	0.1705
18	19.74	-0.01	-0.1407	-0.0306	0.0047	0.2057	0.0055	0.4315	0.0521	0.1158	0.1208	0.2683
19	21.67	0.00	-0.1854	-0.0256	-0.0417	0.1354	0.2272	0.5243	0.0550	0.1726	0.1044	0.3292
20	23.54	-0.01	-0.2410	-0.0231	-0.0623	0.0557	0.3415	0.6255	0.0570	0.2167	0.0912	0.3497
21	25.47	0.02	-0.0264	0.0058	0.0180	-0.2190	-0.6825	0.7688	0.0565	0.2607	0.0735	0.3651
22	27.35	0.05	0.3015	0.0457	0.1002	0.1045	0.7081	0.8804	0.0570	0.3349	0.0648	0.3804
23	28.02	0.06	0.3166	0.0533	0.1016	0.1671	0.5696	0.6909	0.0576	0.3329	0.0647	0.3604
24	28.31	0.06	0.3012	0.0432	0.1050	0.1655	0.6339	0.8882	0.0581	0.3376	0.0654	0.3801
25	28.55	0.05	0.2523	0.0453	0.1586	0.1797	0.6287	0.8966	0.0581	0.3427	0.0646	0.3814
26	28.92	0.05	0.2750	0.0466	0.1653	0.1762	0.6158	0.9089	0.0591	0.3477	0.0651	0.3826
27	29.23	0.05	0.2838	0.0457	0.1745	0.1751	0.6151	0.9324	0.0591	0.3555	0.0634	0.3817
28	29.52	0.06	0.2825	0.0468	0.1765	0.1622	0.6130	0.9351	0.0597	0.3502	0.0639	0.3810
29	29.81	0.07	0.2590	0.0501	0.1874	0.1675	0.6267	0.9455	0.0597	0.3591	0.0632	0.3758
30	30.09	0.07	0.3555	0.0547	0.2132	0.1539	0.6055	0.9554	0.0597	0.3632	0.0625	0.3759
31	30.36	0.07	0.3675	0.0576	0.2135	0.1567	0.5810	0.9586	0.0591	0.3634	0.0617	0.3791
32	30.62	0.07	0.4167	0.0472	0.1765	0.1705	0.6391	0.9622	0.0608	0.3646	0.0632	0.3784
33	30.91	0.07	0.2574	0.0450	0.1843	0.1648	0.6197	0.9596	0.0606	0.3628	0.0633	0.3781
34	31.18	0.06	0.3017	0.0446	0.1875	0.1650	0.6226	0.9673	0.0618	0.3666	0.0635	0.3750
35	31.46	0.07	0.3206	0.0468	0.1505	0.1553	0.3952	0.9700	0.0618	0.3658	0.0638	0.3771
36	31.73	0.05	0.2027	0.0334	0.1384	0.1671	0.6025	0.9673	0.0626	0.3656	0.0647	0.3786
37	32.00	0.05	0.2217	0.0365	0.1387	0.1734	0.6258	0.9752	0.0634	0.3652	0.0650	0.3745
38	32.26	0.06	0.2042	0.0371	0.1254	0.1619	0.6144	0.9779	0.0645	0.3623	0.0655	0.3763
39	32.52	0.05	0.1715	0.0353	0.1148	0.2054	0.6678	0.9679	0.0645	0.3450	0.0666	0.3608
40	32.79	0.05	0.0555	0.0266	0.0446	0.4767	0.9779	0.9577	0.0621	0.3428	0.0645	0.3575
41	33.05	0.05	0.1140	0.0303	0.0796	0.2655	0.6986	0.9323	0.0577	0.3250	0.0615	0.3486
42	33.29	0.04	0.0476	0.0252	0.0554	0.3024	0.5072	0.9194	0.0550	0.3175	0.0598	0.3454
43	33.56	0.04	0.1466	0.0252	0.0662	0.1635	0.6017	0.9118	0.0540	0.3127	0.0553	0.3430
44	33.79	0.03	0.1514	0.0263	0.0645	0.1674	0.5565	0.9068	0.0519	0.3101	0.0572	0.3426
45	34.03	0.04	0.0535	0.0196	0.0666	0.2107	0.7410	0.9160	0.0534	0.3155	0.0583	0.3449
46	34.31	0.05	0.1726	0.0223	0.1110	0.1291	0.6470	0.9318	0.0534	0.3143	0.0573	0.3427

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PACH RX10-E				PHI CNF		DEL1 DEL2		DEL3 DEL4		TRANSITION		
1 1.0 1.0 1.7				0.0 0.1 0.2 0.3		0 -20		0 -20		UNKNOWN		
PCENT	ALPHA	BETA	CNF1	CHI	Col	ALPF1	YCPF1	CNF2	Ch2	CB2	ACPF2	YCPF2
47	34.56	0.04	0.1646	0.0208	0.1130	0.1129	0.6121	0.9291	0.0536	0.3191	0.0574	0.3434
48	34.17	0.05	0.1657	0.0191	0.1307	0.1007	0.6042	0.9266	0.0536	0.3168	0.0576	0.3419
49	35.03	0.02	0.0906	0.0106	0.0604	0.1193	0.6667	0.9371	0.0513	0.3218	0.0548	0.3434
50	35.29	0.03	0.1666	0.0137	0.1274	0.0685	0.6371	0.9322	0.0500	0.3161	0.0536	0.3391
51	35.51	0.03	0.0833	0.0029	0.0642	0.0348	0.7706	0.9348	0.0497	0.3173	0.0532	0.3395
52	35.76	0.02	0.1645	0.0054	0.1045	0.0509	0.6575	0.9376	0.0471	0.3165	0.0502	0.3376
53	35.99	0.03	0.1525	0.0100	0.1208	0.0500	0.6087	0.9378	0.0466	0.3144	0.0457	0.3352
54	36.21	0.02	0.1334	0.0056	0.0850	0.0434	0.6370	0.9433	0.0446	0.3127	0.0475	0.3315
55	36.45	0.02	0.0642	0.0021	0.0437	0.0331	0.6812	0.9512	0.0451	0.3134	0.0474	0.3255
56	36.71	0.03	0.1835	0.0100	0.1054	0.0547	0.5773	0.9461	0.0434	0.3108	0.0459	0.3285
57	36.94	0.04	0.2425	0.0137	0.1324	0.0565	0.5480	0.9382	0.0440	0.3076	0.0469	0.3272
58	37.15	0.05	0.2100	0.0100	0.1000	0.0476	0.5099	0.9434	0.0440	0.3096	0.0466	0.3282
59	37.41	0.04	0.1577	0.0025	0.0685	0.0164	0.5483	0.9395	0.0435	0.3086	0.0463	0.3284
60	37.64	0.04	0.1255	0.0025	0.0700	0.0230	0.5625	0.9553	0.0435	0.3130	0.0456	0.3276
61	37.87	0.03	0.1760	0.0027	0.0576	0.0038	0.5485	0.9523	0.0467	0.3145	0.0490	0.3307
62	38.11	0.03	0.1359	0.0025	0.0686	0.0215	0.5411	0.9679	0.0472	0.3235	0.0487	0.3343
63	38.34	0.02	0.1546	0.0063	0.0585	0.0426	0.4978	0.9730	0.0482	0.3251	0.0496	0.3341
64	38.58	0.01	0.2221	0.0027	0.1080	0.0341	0.4861	0.9734	0.0511	0.3274	0.0524	0.3356
65	38.79	0.05	0.2441	0.0023	0.1247	0.0349	0.5107	0.9697	0.0548	0.3302	0.0565	0.3405
66	39.01	0.04	0.1753	0.0054	0.0506	0.0479	0.4824	0.9655	0.0540	0.3336	0.0548	0.3385
67	39.23	0.04	0.2400	0.0108	0.1182	0.0450	0.4928	0.9775	0.0551	0.3329	0.0564	0.3405
68	39.44	0.05	0.2226	0.0072	0.1042	0.0325	0.4907	0.9879	0.0547	0.3354	0.0554	0.3395
69	39.64	0.04	0.1761	0.0054	0.0760	0.0525	0.4377	0.9966	0.0523	0.3373	0.0524	0.3378
70	39.86	0.03	0.1607	0.0050	0.0777	0.0247	0.4605	1.0064	0.0552	0.3391	0.0548	0.3366
71	40.07	0.05	0.1645	0.0047	0.0721	0.0267	0.4381	0.9984	0.0557	0.3374	0.0556	0.3375
72	40.25	0.05	0.1688	0.0060	0.0614	0.0424	0.4859	0.9892	0.0542	0.3327	0.0548	0.3363
73	40.47	0.03	0.1442	0.0025	0.0637	0.0201	0.4418	1.0025	0.0526	0.3346	0.0525	0.3340
74	40.69	0.04	0.1320	0.0054	0.0586	0.0448	0.4418	1.0055	0.0513	0.3296	0.0511	0.3286
75	40.88	0.04	0.1815	0.0063	0.0742	0.0513	0.4583	0.9955	0.0474	0.3226	0.0476	0.3240
76	41.10	0.02	0.1436	0.0066	0.0676	0.0457	0.4664	0.9956	0.0450	0.3204	0.0452	0.3218
77	41.25	0.04	0.1465	0.0062	0.0643	0.0422	0.4387	1.0101	0.0458	0.3208	0.0454	0.3176
78	41.49	0.04	0.1200	0.0041	0.0422	0.0756	0.3513	1.0354	0.0422	0.3284	0.0406	0.3160
79	41.63	0.02	0.1334	0.0055	0.0506	0.0769	0.3803	1.0239	0.0395	0.3207	0.0385	0.3132
80	41.85	0.02	0.1170	0.0072	0.0427	0.0615	0.3634	1.0164	0.0395	0.3136	0.0387	0.3072
81	42.08	0.02	0.1285	0.0060	0.0522	0.0623	0.4362	1.0138	0.0385	0.3094	0.0380	0.3052
82	42.27	0.03	0.1167	0.0058	0.0502	0.0466	0.4732	0.9782	0.0370	0.2961	0.0378	0.3027
83	42.46	0.02	0.1231	0.0138	0.0367	0.1121	0.2978	1.0414	0.0359	0.3203	0.0345	0.3076
84	42.65	0.03	0.1144	0.0072	0.0507	0.0632	0.4427	0.9869	0.0345	0.2941	0.0349	0.3025
85	42.83	0.02	0.1103	0.0072	0.0452	0.0656	0.4094	1.0129	0.0332	0.3032	0.0328	0.2993
86	43.00	0.03	0.0544	0.0066	0.0325	0.0710	0.3559	1.0101	0.0350	0.3030	0.0347	0.2995
87	43.18	0.02	0.0556	0.0105	0.0300	0.1056	0.3391	1.0068	0.0332	0.3025	0.0329	0.2995
88	43.38	0.03	0.0571	0.0037	0.0383	0.0421	0.4401	0.9679	0.0345	0.2857	0.0357	0.2952
89	43.56	0.01	0.0547	0.0083	0.0322	0.0377	0.3805	1.0140	0.0318	0.3018	0.0314	0.2976
90	43.73	0.01	0.0550	0.0101	0.0355	0.1023	0.3626	1.0166	0.0326	0.3009	0.0321	0.2960
91	43.94	0.01	0.0575	0.0101	0.0275	0.1039	0.2819	1.0243	0.0321	0.3075	0.0314	0.3008
92	44.18	0.01	0.0457	0.0004	0.0212	0.0084	0.4641	0.9637	0.0332	0.2825	0.0344	0.2936

PAGE 2 OF 3
SHEET 3 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART RACH RX1C-2				PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 150 1.00 1.7				C.C. B1NCF23	C.C.		0	-20	0	-20	UNKNOWN	
PLINT	ALPHA	BETA	CNF1	CM1	CB1	XCPF1	YCPF1	CNF2	CM2	CB2	XCPF2	YCPF2
93	44.35	0.01	0.1162	0.0130	0.0317	0.1121	0.2733	1.0291	0.0337	0.3104	0.0327	0.3016
94	44.55	0.02	0.0821	0.0116	0.0244	0.1227	0.2771	1.0148	0.0316	0.3014	0.0311	0.2970
95	44.76	0.01	0.0766	0.0025	0.0280	0.0368	0.3301	1.0016	0.0320	0.2953	0.0326	0.2988
96	44.93	0.01	0.0597	0.0116	0.0207	0.1102	0.2682	1.0154	0.0331	0.3034	0.0326	0.2986
97	45.11	0.02	0.0254	0.0021	0.0050	0.0837	0.3802	0.9517	0.0330	0.2800	0.0347	0.2942
98	45.31	0.00	0.0554	0.0112	0.0201	0.1173	0.2103	1.0182	0.0327	0.3061	0.0321	0.3006
99	45.51	0.01	0.1227	0.0148	0.0324	0.1203	0.2642	1.0168	0.0330	0.3041	0.0325	0.2991
100	45.68	0.01	0.0830	0.0058	0.0256	0.0698	0.3081	1.0025	0.0324	0.2963	0.0323	0.2956
101	45.85	0.01	0.0512	0.0007	0.0125	0.0132	0.2446	0.9645	0.0324	0.2856	0.0336	0.2961
102	46.02	0.03	0.0596	0.0100	0.0245	0.1008	0.2461	1.0004	0.0329	0.3001	0.0329	0.2998
103	46.21	0.01	0.0569	0.0063	0.0261	0.0857	0.2699	1.0046	0.0329	0.3011	0.0328	0.2998
104	46.40	0.01	0.0276	0.0025	0.0055	0.0667	0.1564	0.9634	0.0324	0.2982	0.0335	0.3033
105	46.58	0.00	0.0505	0.0069	0.0212	0.0757	0.2345	0.9950	0.0324	0.2955	0.0326	0.3010
106	46.72	0.00	0.0470	0.0011	0.0065	0.0226	0.1478	0.9907	0.0323	0.3040	0.0326	0.3066
107	46.91	0.03	0.0812	0.0075	0.0162	0.0526	0.1595	1.0042	0.0289	0.3282	0.0276	0.3128
108	47.09	0.01	0.0477	0.0007	0.0010	0.0142	0.0202	1.0026	0.0328	0.3026	0.0327	0.3010
109	47.25	0.02	0.0784	0.0079	0.0110	0.0596	0.1365	1.0046	0.0330	0.3161	0.0322	0.3032
110	47.41	0.02	0.0476	0.0140	0.0041	0.0291	0.0072	1.0051	0.0244	0.3161	0.0230	0.2984
111	47.62	0.04	0.0741	0.0011	0.0066	0.0143	0.0643	1.0275	0.0296	0.3011	0.0288	0.2931
112	47.77	0.02	0.0547	0.0021	0.0040	0.0224	0.0758	1.0146	0.0312	0.2984	0.0306	0.2927
113	47.97	0.03	0.0064	0.0006	0.0022	1.3485	3.5454	0.9901	0.0256	0.2812	0.0299	0.2840
114	48.14	0.06	0.0176	0.0001	0.0046	0.3462	1.0008	0.9757	0.0246	0.2740	0.0304	0.2806
115	48.35	0.01	0.0002	0.0006	0.0187	35.0000	97.0000	0.9951	0.0296	0.2805	0.0298	0.2815
116	48.52	0.02	0.0110	0.0006	0.0032	0.8772	2.1353	1.0260	0.0301	0.2925	0.0293	0.2850
117	48.72	0.04	0.0181	0.0110	0.0025	0.0604	1.2660	1.0555	0.0369	0.3049	0.0293	0.2889
118	48.87	0.03	0.0231	0.0126	0.0026	0.5565	0.6912	1.0503	0.0252	0.3051	0.0276	0.2883
119	49.04	0.03	0.0231	0.0126	0.0026	0.5565	0.6912	1.0530	0.0295	0.3058	0.0280	0.2904
120	49.22	0.03	0.0208	0.0107	0.0020	0.5139	0.5076	1.0503	0.0280	0.3023	0.0266	0.2878
121	49.35	0.02	0.0185	0.0126	0.0150	0.6527	1.0260	1.0605	0.0283	0.3063	0.0267	0.2907
122	49.56	0.03	0.0186	0.0116	0.0171	0.6236	0.9026	1.0606	0.0280	0.3052	0.0264	0.2876
123	49.75	0.00	0.0148	0.0110	0.0002	0.7451	0.0131	1.0809	0.0264	0.3172	0.0245	0.2934
124	49.92	0.03	0.0034	0.0118	0.0002	3.4657	2.1429	1.0834	0.0274	0.3264	0.0253	0.2958
125	50.09	0.02	0.0235	0.0111	0.0058	0.4713	0.2459	1.1027	0.0261	0.3264	0.0237	0.2960
126	50.27	0.02	0.0006	0.0056	0.0146	0.1896	0.2903	1.1192	0.0246	0.3357	0.0220	0.2955
127	50.45	0.01	0.0537	0.0025	0.0310	0.0268	0.3306	1.0753	0.0265	0.3166	0.0250	0.2944
128	50.61	0.01	0.0690	0.0021	0.0210	0.0681	0.3049	1.1076	0.0226	0.3248	0.0206	0.2977
129	50.80	0.02	0.0605	0.0025	0.0234	0.0360	0.2914	1.1026	0.0233	0.3262	0.0212	0.2959
130	50.96	0.03	0.0693	0.0007	0.0277	0.0076	0.3103	1.0613	0.0236	0.3104	0.0225	0.2925
131	51.09	0.01	0.0643	0.0025	0.0171	0.0450	0.2638	1.0212	0.0236	0.2924	0.0233	0.2863
132	51.27	0.00	0.0644	0.0036	0.0161	0.0553	0.2504	1.0264	0.0240	0.2938	0.0234	0.2862
133	51.45	0.01	0.0440	0.0021	0.0076	0.0482	0.1776	1.0063	0.0243	0.2882	0.0241	0.2856
134	51.62	0.01	0.0142	0.0004	0.0014	0.0201	0.1005	0.9443	0.0237	0.2832	0.0250	0.2773
135	51.80	0.01	0.0045	0.0007	0.0015	0.1373	0.3137	0.9080	0.0233	0.2905	0.0256	0.2758
136	51.97	0.02	0.0047	0.0007	0.0005	0.1429	0.1020	0.8904	0.0245	0.2425	0.0215	0.2723
137	52.15	0.02	0.0001	0.0001	0.0010	11.0000	10.0000	0.8851	0.0245	0.2440	0.0277	0.2757
138	52.30	0.02	0.0006	0.0007	0.0009	1.1607	8.5000	0.8815	0.0242	0.2435	0.0275	0.2763

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		X10-6		PHI	CNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		150		1.00		1.0		0.0	0	-20	0	-20	UNKNOWN
PLINT	ALPHA	BETA	CNF1	CHI	CB1	XCPF1	YCPF1	CNF2	CP2	CB2	XCPF2	YCPF2	
139	52.46	-0.02	-0.0007	-0.0011	0.0055	1.5714	-8.7143	0.8814	0.0244	0.2477	0.0277	0.2616	
140	52.64	-0.00	-0.0012	-0.0007	0.0058	0.5833	-8.5000	0.8762	0.0247	0.2462	0.0282	0.2816	
141	51.61	0.02	0.0024	0.0025	0.0146	0.1044	0.6145	0.9850	0.0257	0.2869	0.0261	0.2912	
142	50.24	0.03	-0.0142	-0.0060	0.0031	0.4218	-0.2177	1.0207	0.0264	0.3021	0.0259	0.2960	

PAGE 3 OF 3
SHEET 1 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART HALF RATIO-Z				PHI	CNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 150 1.00 1.7				C.G	810F 23	C.C	0	-20	J	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CH3	Cd3	ALPF3	YLPF3	CNF4	CH4	Cd4	XCPF4	YCPF4
1	-5.74	0.01	0.075E	5.5555	0.010E	5.5555	0.2104	-1.2577	-0.0077	-0.4392	0.0077	0.3492
2	-5.74	0.01	0.064E	5.5555	0.015E	5.5555	0.2240	-1.2576	-0.0074	-0.4352	0.0074	0.3452
3	-5.75	-0.00	0.064E	5.5555	0.015E	5.5555	0.2246	-1.2520	-0.0105	-0.4358	0.0084	0.3481
4	-5.65	-0.00	0.064E	5.5555	0.011E	5.5555	0.2144	-1.2577	-0.0057	-0.4392	0.0077	0.3492
5	-4.14	-0.00	0.074E	5.5555	0.012E	5.5555	0.2430	-1.2390	-0.0157	-0.4357	0.0159	0.3549
6	-2.35	-0.03	0.074E	5.5555	0.014E	5.5555	0.2308	-1.2009	-0.0240	-0.4290	0.0237	0.3555
7	-0.75	0.00	0.065E	5.5555	0.015E	5.5555	0.2831	-1.1183	-0.0354	-0.4025	0.0317	0.3603
8	1.04	-0.01	0.065E	5.5555	0.015E	5.5555	0.2077	-0.9951	-0.0391	-0.3569	0.0393	0.3587
9	2.95	-0.00	0.0677	5.5555	0.013E	5.5555	0.2051	-0.8813	-0.0386	-0.3244	0.0438	0.3681
10	4.72	0.01	0.075E	5.5555	0.0107	5.5555	0.1445	-0.7447	-0.0374	-0.2057	0.0503	0.3568
11	6.59	0.01	0.080E	5.5555	0.0073	5.5555	0.0915	-0.5946	-0.0298	-0.2058	0.0501	0.3482
12	8.43	0.00	0.064E	5.5555	0.0113	5.5555	0.1194	-0.4444	-0.0200	-0.1487	0.0465	0.3346
13	10.26	0.00	0.055E	5.5555	0.0063	5.5555	0.1125	-0.2903	-0.0081	-0.0882	0.0276	0.3038
14	12.12	-0.01	0.055E	5.5555	0.0044	5.5555	0.0794	-0.1573	0.0026	-0.0243	-0.0166	0.1865
15	13.64	-0.00	0.065E	5.5555	0.005E	5.5555	0.0661	-0.0484	0.0133	0.0267	-0.0249	-0.06135
16	15.52	-0.01	0.055E	5.5555	0.0013	5.5555	0.0120	0.0627	0.0251	0.0031	0.4000	1.3246
17	17.45	-0.00	0.053E	5.5555	-0.000E	5.5555	0.0544	0.1951	0.0382	0.1431	0.1958	0.7334
18	19.74	-0.01	0.050E	5.5555	-0.013E	5.5555	0.1329	0.3202	0.0471	0.0030	0.1434	0.6202
19	21.67	0.00	0.107E	5.5555	-0.010E	5.5555	0.0909	0.4254	0.0497	0.2520	0.1168	0.5924
20	23.64	-0.01	0.103E	5.5555	-0.014E	5.5555	-0.1415	0.3000	0.0030	0.2995	0.1058	0.5919
21	25.57	0.02	0.1123	5.5555	-0.0063	5.5555	-0.0556	0.5405	0.0575	0.3240	0.1048	0.5507
22	27.55	0.05	0.1337	5.5555	0.0040	5.5555	0.0296	0.5300	0.0027	0.3408	0.1081	0.5575
23	28.02	0.06	0.1433	5.5555	0.0075	5.5555	0.0525	0.5854	0.0027	0.3512	0.1071	0.6000
24	28.31	0.06	0.1405	5.5555	0.0073	5.5555	0.0521	0.6046	0.0022	0.3626	0.1025	0.5957
25	28.59	0.05	0.1405	5.5555	0.0073	5.5555	0.0521	0.6020	0.0022	0.3644	0.1034	0.6054
26	28.92	0.05	0.1406	5.5555	0.0053	5.5555	0.0058	0.6101	0.0027	0.3747	0.1015	0.6030
27	29.23	0.05	0.1432	5.5555	0.0104	5.5555	0.0728	0.6162	0.0627	0.3747	0.1015	0.6061
28	29.52	0.06	0.1024	5.5555	0.0157	5.5555	0.0069	0.6395	0.0627	0.3843	0.0980	0.6000
29	29.81	0.07	0.1624	5.5555	0.0157	5.5555	0.0069	0.6180	0.0638	0.3798	0.1032	0.6143
30	30.05	0.07	0.1718	5.5555	0.0203	5.5555	0.1174	0.6347	0.0630	0.3844	0.0997	0.6087
31	30.36	0.07	0.1614	5.5555	0.025E	5.5555	0.1420	0.6356	0.0645	0.3545	0.1005	0.6168
32	30.62	0.07	0.1526	5.5555	0.0150	5.5555	0.0075	0.6394	0.0644	0.4013	0.0976	0.6086
33	30.91	0.07	0.1671	5.5555	0.021E	5.5555	0.1305	0.6673	0.0654	0.4060	0.0980	0.6084
34	31.18	0.08	0.1624	5.5555	0.0155	5.5555	0.1200	0.6638	0.0640	0.4142	0.0945	0.6058
35	31.46	0.07	0.1501	5.5555	0.0155	5.5555	0.1298	0.6944	0.0654	0.4161	0.0942	0.5991
36	31.73	0.05	0.1430	5.5555	0.0151	5.5555	0.1059	0.7002	0.0644	0.4210	0.0909	0.5944
37	32.00	0.05	0.1430	5.5555	0.0170	5.5555	0.1188	0.6919	0.0646	0.4178	0.0934	0.6038
38	32.26	0.06	0.1575	5.5555	0.021E	5.5555	0.1330	0.7001	0.0644	0.4235	0.0928	0.6049
39	32.52	0.05	0.1478	5.5555	0.0174	5.5555	0.1175	0.7107	0.0657	0.4263	0.0925	0.5558
40	32.79	0.05	0.1334	5.5555	0.0124	5.5555	0.0753	0.7050	0.0605	0.4240	0.0943	0.6013
41	33.05	0.05	0.1363	5.5555	0.0138	5.5555	0.0958	0.7128	0.0675	0.4236	0.0947	0.5942
42	33.29	0.04	0.1310	5.5555	0.0123	5.5555	0.0935	0.7044	0.0606	0.4150	0.0974	0.5892
43	33.56	0.04	0.1501	5.5555	0.0155	5.5555	0.1298	0.6907	0.0654	0.4011	0.0939	0.5757
44	33.79	0.03	0.1364	5.5555	0.0115	5.5555	0.0808	0.6891	0.0631	0.3934	0.0916	0.5708
45	34.03	0.04	0.1332	5.5555	0.0134	5.5555	0.1037	0.6916	0.0634	0.3910	0.0873	0.5653
46	34.31	0.05	0.1405	5.5555	0.0158	5.5555	0.1120	0.6894	0.0580	0.3870	0.0850	0.5622

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 150 1.00 1.7				0.0	B10CF23	C.C	0	-20	0	-20	UNKNOWN	
FCINT	ALPHA	BETA	CONF3	CH3	CB3	XCPE3	YCPE3	CAF4	CF4	CB4	XCPE4	YCPE4
47	34.56	0.04	0.1285	5.5555	0.0111	5.5559	0.0863	0.6977	0.0578	0.3901	0.0828	0.5591
48	34.77	0.05	0.1212	5.5555	0.0115	5.5559	0.0997	0.6873	0.0560	0.3832	0.0814	0.5576
49	35.03	0.02	0.1085	5.5555	0.0038	5.5559	0.0352	0.7114	0.0570	0.3951	0.0802	0.5554
50	35.25	0.03	0.1307	5.5555	0.0100	5.5559	0.1225	0.7010	0.0517	0.3859	0.0737	0.5499
51	35.51	0.03	0.1052	5.5555	0.0068	5.5559	0.0618	0.7068	0.0536	0.3864	0.0755	0.5468
52	35.76	0.02	0.1258	5.5555	0.0156	5.5559	0.1242	0.7133	0.0480	0.3865	0.0682	0.5419
53	35.99	0.03	0.1283	5.5555	0.0145	5.5559	0.1158	0.7133	0.0489	0.3865	0.0686	0.5419
54	36.21	0.02	0.1185	5.5555	0.0100	5.5559	0.1352	0.7190	0.0473	0.3848	0.0658	0.5352
55	36.45	0.02	0.1135	5.5555	0.0115	5.5559	0.1042	0.7166	0.0460	0.3835	0.0642	0.5352
56	36.71	0.03	0.1115	5.5555	0.0120	5.5559	0.1155	0.7250	0.0447	0.3840	0.0616	0.5257
57	36.96	0.04	0.1138	5.5555	0.0138	5.5559	0.1213	0.7253	0.0439	0.3850	0.0605	0.5308
58	37.15	0.03	0.1090	5.5555	0.0115	5.5559	0.1053	0.7309	0.0428	0.3863	0.0586	0.5286
59	37.41	0.04	0.1125	5.5555	0.0148	5.5559	0.1297	0.7213	0.0419	0.3810	0.0581	0.5282
60	37.64	0.02	0.1050	5.5555	0.0134	5.5559	0.1230	0.7212	0.0424	0.3831	0.0567	0.5311
61	37.87	0.03	0.1135	5.5555	0.0148	5.5559	0.1257	0.7298	0.0403	0.3825	0.0553	0.5241
62	38.11	0.03	0.1162	5.5555	0.0178	5.5559	0.1526	0.7265	0.0414	0.3833	0.0565	0.5273
63	38.34	0.02	0.1163	5.5555	0.0150	5.5559	0.1286	0.7296	0.0411	0.3846	0.0563	0.5271
64	38.58	0.01	0.1114	5.5555	0.0146	5.5559	0.1307	0.7360	0.0403	0.3861	0.0546	0.5258
65	38.79	0.05	0.1232	5.5555	0.0231	5.5559	0.1672	0.7437	0.0387	0.3864	0.0520	0.5156
66	39.01	0.04	0.1231	5.5555	0.0245	5.5559	0.2022	0.7352	0.0405	0.3865	0.0531	0.5262
67	39.23	0.04	0.1183	5.5555	0.0255	5.5559	0.2153	0.7437	0.0393	0.3865	0.0528	0.5223
68	39.44	0.05	0.1018	5.5555	0.0176	5.5559	0.1725	0.7509	0.0398	0.3896	0.0531	0.5191
69	39.64	0.04	0.0554	5.5555	0.0164	5.5559	0.1650	0.7505	0.0415	0.3915	0.0553	0.5222
70	39.80	0.03	0.1113	5.5555	0.0221	5.5559	0.1904	0.7558	0.0417	0.3934	0.0552	0.5205
71	40.07	0.04	0.1085	5.5555	0.0217	5.5559	0.2038	0.7561	0.0439	0.3943	0.0541	0.5216
72	40.25	0.05	0.1136	5.5555	0.0252	5.5559	0.2214	0.7794	0.0476	0.4023	0.0485	0.5161
73	40.47	0.03	0.0922	5.5555	0.0155	5.5559	0.1728	0.7620	0.0426	0.3973	0.0558	0.5215
74	40.64	0.04	0.1085	5.5559	0.0246	5.5559	0.2276	0.7733	0.0434	0.4010	0.0523	0.5185
75	40.88	0.04	0.1138	5.5555	0.0271	5.5559	0.2383	0.7861	0.0412	0.4049	0.0523	0.5164
76	41.10	0.02	0.1041	5.5555	0.0225	5.5559	0.2159	0.7869	0.0394	0.4051	0.0498	0.5129
77	41.29	0.04	0.1138	5.5555	0.0250	5.5559	0.2553	0.7988	0.0422	0.4053	0.0504	0.5124
78	41.49	0.02	0.0976	5.5555	0.0210	5.5559	0.2169	0.7873	0.0424	0.4046	0.0538	0.5138
79	41.69	0.02	0.0555	5.5555	0.0203	5.5559	0.2037	0.7930	0.0416	0.4075	0.0524	0.5144
80	41.89	0.02	0.1130	5.5555	0.0240	5.5559	0.2553	0.7908	0.0395	0.4056	0.0469	0.5129
81	42.08	0.02	0.0554	5.5555	0.0212	5.5559	0.2136	0.8016	0.0405	0.4084	0.0506	0.5098
82	42.27	0.03	0.1054	5.5555	0.0230	5.5559	0.2102	0.8223	0.0371	0.4141	0.0452	0.5036
83	42.46	0.02	0.1114	5.5555	0.0275	5.5559	0.2502	0.7881	0.0395	0.3988	0.0502	0.5071
84	42.65	0.03	0.1014	5.5555	0.0224	5.5559	0.2197	0.8248	0.0379	0.4164	0.0460	0.5049
85	42.83	0.02	0.0572	5.5555	0.0151	5.5559	0.1766	0.8138	0.0379	0.4096	0.0486	0.5033
86	43.00	0.03	0.1115	5.5555	0.0206	5.5559	0.2413	0.8141	0.0369	0.4106	0.0493	0.5043
87	43.18	0.02	0.0572	5.5555	0.0173	5.5559	0.1778	0.8047	0.0371	0.4074	0.0460	0.5062
88	43.38	0.03	0.0875	5.5559	0.0155	5.5559	0.1775	0.8332	0.0358	0.4137	0.0430	0.4966
89	43.56	0.01	0.0828	5.5555	0.0132	5.5559	0.1800	0.8128	0.0368	0.4098	0.0492	0.4981
90	43.73	0.01	0.0555	5.5555	0.0105	5.5559	0.1843	0.8152	0.0373	0.4080	0.0458	0.5005
91	43.94	-0.01	0.0570	5.5555	0.0201	5.5559	0.2370	0.8044	0.0368	0.4031	0.0457	0.5011
92	44.10	0.01	0.0874	5.5555	0.0155	5.5559	0.1777	0.8320	0.0344	0.4119	0.0414	0.4951

PAGE 3 OF 3
SHEET 3 OF 4

MARLIN MISSILE TAILS EFFECTS DATA

TEST PART		PACF RATIO		PHI		CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		150 1.00 1.7		C.O. 1100 2.5		C.C		0		-20		0		-20		UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CH3	LB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4					
93	44.35	0.01	0.0585	5.5555	0.0258	5.5555	0.2365	0.7744	0.0363	0.3517	0.0468	0.3059					
94	44.55	0.02	0.0545	5.5555	0.0191	5.5555	0.1972	0.8112	0.0368	0.4041	0.0453	0.4582					
95	44.76	0.01	0.0546	5.5555	0.0195	5.5555	0.2106	0.8225	0.0351	0.4057	0.0427	0.4533					
96	44.93	0.01	0.0647	5.5555	0.0152	5.5555	0.1800	0.7937	0.0367	0.3963	0.0462	0.4593					
97	45.11	-0.02	0.0726	5.5555	0.0115	5.5555	0.1582	0.8306	0.0341	0.4058	0.0407	0.4558					
98	45.31	0.00	0.0927	5.5555	0.0230	5.5555	0.2326	0.7890	0.0328	0.3535	0.0454	0.4992					
99	45.51	-0.01	0.0844	5.5555	0.0171	5.5555	0.2023	0.7872	0.0353	0.3901	0.0445	0.4955					
100	45.68	0.01	0.0844	5.5555	0.0152	5.5555	0.1806	0.8239	0.0361	0.4053	0.0438	0.4920					
101	45.85	0.01	0.0700	5.5555	0.0112	5.5555	0.1630	0.8263	0.0347	0.4041	0.0415	0.4878					
102	46.02	0.03	0.0816	5.5555	0.0155	5.5555	0.1946	0.8067	0.0349	0.3566	0.0433	0.4516					
103	46.21	-0.01	0.0793	5.5555	0.0167	5.5555	0.2105	0.8194	0.0339	0.4009	0.0413	0.4893					
104	46.40	0.01	0.0801	5.5555	0.0164	5.5555	0.1734	0.8350	0.0349	0.4051	0.0418	0.4851					
105	46.58	0.00	0.0765	5.5555	0.0175	5.5555	0.2271	0.8230	0.0342	0.4008	0.0413	0.4841					
106	46.72	0.00	0.0800	5.5555	0.0132	5.5555	0.2203	0.8375	0.0343	0.4051	0.0410	0.4836					
107	46.91	0.03	0.0847	5.5555	0.0136	5.5555	0.2101	0.8416	0.0348	0.4050	0.0414	0.4812					
108	47.09	-0.01	0.0871	5.5555	0.0156	5.5555	0.2331	0.8417	0.0343	0.4019	0.0408	0.4775					
109	47.25	0.02	0.0811	5.5555	0.0215	5.5555	0.2652	0.8325	0.0338	0.3568	0.0406	0.4766					
110	47.41	0.02	0.0827	5.5555	0.0117	5.5555	0.2216	0.8363	0.0322	0.3570	0.0384	0.4736					
111	47.62	0.04	0.0768	5.5555	0.0204	5.5555	0.2583	0.7971	0.0343	0.3791	0.0430	0.4756					
112	47.77	0.02	0.0781	5.5555	0.0222	5.5555	0.2819	0.7891	0.0340	0.3765	0.0430	0.4771					
113	47.97	0.03	0.0851	5.5555	0.0186	5.5555	0.2696	0.7997	0.0427	0.3393	0.0611	0.4856					
114	48.14	0.00	0.0763	5.5555	0.0211	5.5555	0.2769	0.7462	0.0426	0.3570	0.0570	0.4784					
115	48.35	0.01	0.0851	5.5555	0.0156	5.5555	0.2635	0.8002	0.0440	0.3281	0.0647	0.4823					
116	48.52	0.02	0.0852	5.5555	0.0203	5.5555	0.3167	0.7017	0.0440	0.3316	0.0627	0.4726					
117	48.72	0.04	0.0808	5.5555	0.0242	5.5555	0.2999	0.7354	0.0440	0.3406	0.0598	0.4631					
118	48.97	0.03	0.0736	5.5555	0.0236	5.5555	0.3211	0.7467	0.0445	0.3447	0.0554	0.4603					
119	49.06	0.03	0.0864	5.5555	0.0221	5.5555	0.3328	0.7432	0.0443	0.3372	0.0596	0.4537					
120	49.22	0.03	0.0762	5.5555	0.0278	5.5555	0.3556	0.7429	0.0448	0.3332	0.0603	0.4485					
121	49.35	0.02	0.0851	5.5555	0.0225	5.5555	0.3301	0.7591	0.0445	0.3413	0.0586	0.4498					
122	49.56	0.03	0.0816	5.5555	0.0217	5.5555	0.3527	0.7644	0.0445	0.3437	0.0582	0.4456					
123	49.75	-0.00	0.0851	5.5555	0.0225	5.5555	0.3301	0.7566	0.0426	0.3389	0.0564	0.4479					
124	49.92	0.03	0.0864	5.5555	0.0231	5.5555	0.3474	0.8018	0.0440	0.3572	0.0545	0.4455					
125	50.09	0.02	0.0816	5.5555	0.0236	5.5555	0.3640	0.8060	0.0420	0.3586	0.0521	0.4450					
126	50.27	0.02	0.0838	5.5555	0.0257	5.5555	0.4024	0.8236	0.0414	0.3644	0.0503	0.4425					
127	50.45	0.01	0.0850	5.5555	0.0253	5.5555	0.4288	0.8103	0.0416	0.3625	0.0513	0.4474					
128	50.61	0.01	0.0843	5.5555	0.0231	5.5555	0.4245	0.8333	0.0388	0.3653	0.0465	0.4431					
129	50.80	-0.02	0.0846	5.5555	0.0217	5.5555	0.4377	0.8253	0.0338	0.3677	0.0470	0.4456					
130	50.96	0.03	0.0851	5.5555	0.0225	5.5555	0.3601	0.8338	0.0368	0.3692	0.0441	0.4427					
131	51.05	-0.01	0.0815	5.5555	0.0215	5.5555	0.4219	0.8332	0.0362	0.3686	0.0436	0.4437					
132	51.27	-0.00	0.0815	5.5555	0.0225	5.5555	0.4405	0.8462	0.0365	0.3755	0.0431	0.4438					
133	51.45	-0.01	0.0862	5.5555	0.0255	5.5555	0.3307	0.8596	0.0362	0.3804	0.0421	0.4426					
134	51.62	0.01	0.0844	5.5555	0.0207	5.5555	0.4199	0.8441	0.0361	0.3726	0.0428	0.4419					
135	51.80	-0.01	0.0855	5.5555	0.0190	5.5555	0.4756	0.7761	0.0381	0.3459	0.0452	0.4468					
136	51.97	0.02	0.0861	5.5555	0.0287	5.5555	0.4207	0.7556	0.0396	0.3380	0.0523	0.4472					
137	52.15	-0.02	0.0445	5.5555	0.0212	5.5555	0.4772	0.7772	0.0391	0.3455	0.0503	0.4446					
138	52.30	-0.02	0.0444	5.5555	0.0231	5.5555	0.5196	0.7390	0.0393	0.3306	0.0531	0.4473					

PAGE 3 OF 3
 SHEET 6 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		K10-6		PHI		CCNF		L		DELT		DELT2		DELT3		DELT4		TRANSITION	
7		150		1.00		1.1		0.0		8140723		0.0		0		-20		0		-20 UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCFF3	CNF4	CH4	CB4	XCPF4	YCFF4									
137	52.46	-0.02	0.0445	5.5555	0.0212	5.5555	0.4772	0.7267	0.0380	0.3267	0.0522	0.4484									
140	52.64	-0.00	0.0444	5.5555	0.0221	5.5555	0.4776	0.7340	0.0377	0.3252	0.0514	0.4430									
141	51.61	0.02	0.0347	5.5555	0.0232	5.5555	0.8667	0.8451	0.0395	0.3615	0.0468	0.4283									
142	50.24	0.03	0.0440	5.5555	0.0286	5.5555	0.8491	0.7575	0.0445	0.3231	0.0552	0.4266									

PAGE 1 OF 3
 SHEET 1 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH 0.10-0.7											
7 151 1.10 1.7											
PHI CENF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
0.0 0.0000 0.0 0 -20 0 -20 UNKNOWN											
PCINT	ALPHA	BETA	CN	CLM	CY	CLL	CLL	CLL	CLL	CAF	XCP
1	-5.75	0.02	-1.2310	4.0504	0.0443	-0.1231	0.0177	0.0011	0.2092	0.5918	-3.3292
2	-5.75	0.02	-1.1544	4.0554	0.1083	-0.1434	0.0160	0.0742	0.2075	0.5806	-3.3871
3	-5.75	0.01	-1.2342	4.0702	0.1314	-0.1603	0.0179	0.0776	0.2521	0.5858	-3.3047
4	-5.10	0.02	-1.1340	4.0812	0.0931	-0.0694	0.0101	0.0019	0.2040	0.5978	-3.5013
5	-3.23	0.00	-0.9903	4.0000	0.0037	-0.1089	0.0035	0.0053	0.2030	0.5823	-4.0401
6	-1.95	0.00	-0.8250	3.7034	0.0452	-0.1002	0.0192	0.0412	0.2794	0.5613	-4.5030
7	0.40	0.03	-0.6126	3.5300	0.0245	-0.2401	0.0149	0.0290	0.2065	0.5425	-5.7719
8	2.32	0.01	-0.5254	3.3014	0.0070	-0.1951	0.0149	0.0230	0.2421	0.5310	-6.2770
9	4.18	0.00	-0.2031	2.9250	-0.0097	-0.0722	0.0101	0.7941	0.2955	0.4587	-11.1342
10	6.07	0.01	0.0002	2.9000	0.0000	-0.0503	0.0162	0.7030	0.3044	0.4501	250.9140
11	7.97	0.01	0.0007	2.1507	0.0000	-0.1103	0.0167	0.7271	0.3033	0.4176	10.3067
12	9.80	-0.00	0.4507	1.7920	-0.0126	0.0703	0.0223	0.0440	0.3147	0.3851	3.9235
13	11.74	-0.01	0.7050	1.2810	-0.1105	0.0772	0.0232	0.0590	0.3102	0.3417	1.6313
14	13.64	-0.00	1.1105	0.8000	0.0000	0.2414	0.0033	0.0203	0.3209	0.2995	0.7345
15	15.01	0.00	1.4074	0.4017	0.0525	0.2554	0.0240	0.5001	0.3244	0.2557	0.3422
16	17.00	-0.01	1.7013	0.0000	-0.1018	0.4303	0.0144	0.5313	0.3254	0.2059	0.1497
17	19.52	-0.02	2.0031	0.0257	-0.2142	0.5450	0.0090	0.4699	0.3261	0.1638	0.0123
18	21.53	-0.01	2.0007	0.0000	-0.0552	0.6627	-0.0205	0.4300	0.3217	0.1170	0.0000
19	23.55	0.00	3.1112	0.0000	0.0000	0.4130	-0.0282	0.4033	0.3152	0.0881	0.0349
20	25.54	-0.02	3.7000	0.1510	-0.1043	0.0247	-0.0259	0.3582	0.3101	0.0481	0.0404
21	27.50	0.02	4.5304	0.5737	0.3170	-0.4330	0.0000	0.3247	0.3003	0.0234	0.0824
22	20.10	0.03	4.6354	0.3701	0.3542	-0.4122	0.0004	0.3101	0.3050	0.0125	0.0011
23	22.45	0.01	4.6756	0.4421	0.2214	-0.3431	0.0552	0.3130	0.2997	0.0139	0.0045
24	28.71	0.02	4.0203	0.4532	0.2725	-0.4207	0.0719	0.3040	0.3025	0.0023	0.0039
25	29.04	0.03	4.9075	0.5077	0.3111	-0.2210	0.0013	0.3002	0.3039	0.0043	0.1034
26	29.30	0.01	4.5014	0.4052	0.1201	0.1004	0.0337	0.3034	0.3035	0.0055	0.0034
27	29.05	0.01	5.1445	0.3530	0.1907	-0.1301	0.0460	0.2704	0.3000	-0.0275	0.0080
28	29.92	0.03	5.1537	0.4200	0.3550	-0.3571	0.0573	0.2900	0.3003	-0.0155	0.0032
29	30.21	0.04	5.3041	0.4120	0.5505	-0.5217	0.0900	0.2650	0.3121	-0.0270	0.0778
30	30.49	0.04	5.4003	0.3703	0.4407	-0.3700	0.1007	0.2010	0.3140	-0.0373	0.0002
31	30.76	0.07	5.4504	0.3073	0.7050	-0.2174	0.1101	0.3250	0.3249	0.0001	0.0050
32	31.05	0.04	5.0001	0.2510	0.3704	-0.0091	0.0090	0.3015	0.3200	-0.0241	0.0443
33	31.32	0.04	5.0058	0.2237	0.4797	-0.2374	0.0052	0.3072	0.3246	-0.0176	0.0393
34	31.60	0.03	5.0003	0.2524	0.2027	0.1573	0.0742	0.2874	0.3277	-0.0357	0.0429
35	31.87	0.03	5.0237	0.2212	0.2192	0.2373	0.0007	0.2062	0.3200	-0.0437	0.0373
36	32.15	0.03	0.0000	0.1073	0.3475	-0.1797	0.0921	0.2957	0.3247	-0.0340	0.0309
37	32.43	0.03	0.1211	0.2052	0.3054	-0.0289	0.0005	0.2808	0.3201	-0.0392	0.0335
38	32.68	0.02	0.0000	0.1474	0.2513	-0.0700	0.0002	0.2004	0.3305	-0.0400	0.0235
39	32.95	0.02	0.0000	0.1453	0.2411	-0.0002	0.0078	0.2634	0.3316	-0.0083	0.0227
40	33.22	0.02	0.0000	0.0454	0.1705	0.2390	0.0000	0.2057	0.3340	-0.0000	0.0070
41	33.45	-0.00	0.5400	0.1055	-0.0172	0.4215	0.0551	0.2702	0.3378	-0.0075	0.0252
42	33.72	0.01	0.7001	-0.0775	0.1104	0.4270	0.0022	0.2000	0.3402	-0.0741	-0.0110
43	33.96	0.03	0.7000	-0.0027	0.3050	0.3363	0.0072	0.2731	0.3443	-0.0711	-0.0241
44	34.20	0.01	0.0000	-0.0700	0.0725	0.4132	0.0007	0.2700	0.3404	-0.0695	-0.0113
45	34.47	0.02	0.0000	-0.2775	0.1992	0.4050	0.0000	0.2000	0.3520	-0.0031	-0.0390
46	34.73	0.01	0.0000	-0.1530	0.0000	0.5314	0.0000	0.2000	0.3500	-0.0420	-0.0274

PAGE 1 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MACT	KX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	151	1.10	1.1	0.0	0.00025	0.0	0	-20	0	-20	UNKNOWN
PCINT	ALPHA	BETA	CN	CLM	CL	CLA	CLL	CA	CAB	CAF	XCP
47	34.96	0.03	7.2286	-0.4300	0.0771	0.5039	0.0726	0.2526	0.3047	-0.1121	-0.0595
48	35.21	0.01	7.3366	-0.4272	0.0591	0.5500	0.0726	0.2720	0.3075	-0.0548	-0.0582
49	35.45	0.01	7.3707	-0.3737	0.0767	0.4549	0.0626	0.2455	0.3054	-0.1195	-0.0507
50	35.71	0.00	7.4203	-0.5486	0.0000	0.0405	0.0570	0.2540	0.3000	-0.1140	-0.0719
51	35.53	0.03	7.5964	-0.5430	0.2371	0.5445	0.0682	0.2347	0.3727	-0.1180	-0.0715
52	36.17	0.03	7.7424	-0.7420	0.1572	0.6080	0.0700	0.2423	0.3707	-0.1204	-0.0962
53	36.46	0.00	7.8038	-0.6405	0.0175	0.6319	0.0584	0.2314	0.3730	-0.1306	-0.0885
54	36.09	0.01	7.9316	-0.8500	0.0120	0.7500	0.0793	0.2420	0.3745	-0.1325	-0.1079
55	36.95	-0.00	8.0979	-0.8247	0.0755	0.7456	0.0597	0.2270	0.3669	-0.1355	-0.1018
56	37.10	0.01	8.0953	-0.8451	0.0541	0.6190	0.0812	0.2300	0.3652	-0.1242	-0.1049
57	37.02	0.01	8.2450	-0.9146	0.0532	0.6021	0.0605	0.2254	0.3603	-0.1349	-0.1109
58	37.05	0.01	8.3245	-0.9550	0.0025	0.6012	0.0600	0.2220	0.3720	-0.1492	-0.1153
59	37.86	0.02	8.3444	-0.9417	0.0289	0.6300	0.0660	0.2327	0.3504	-0.1237	-0.1129
60	38.11	0.01	8.4526	-0.8975	0.0047	0.4770	0.0000	0.1941	0.3525	-0.1504	-0.1062
61	38.35	0.03	8.5558	-1.1825	0.2076	0.6268	0.0771	0.2314	0.3638	-0.1594	-0.1382
62	38.50	-0.00	8.6175	-1.0317	0.0210	0.5100	0.0570	0.1959	0.3550	-0.1591	-0.1197
63	38.02	-0.01	8.6505	-1.0035	0.0543	0.5758	0.0571	0.1902	0.3436	-0.1474	-0.1161
64	39.04	-0.01	8.8020	-1.1335	0.0215	0.5505	0.0575	0.1808	0.3432	-0.1574	-0.1288
65	39.31	-0.02	8.9122	-1.1525	0.0751	0.6457	0.0526	0.1778	0.3480	-0.1702	-0.1253
66	39.52	0.01	8.9042	-1.2100	0.1100	0.4272	0.0531	0.2034	0.3408	-0.1374	-0.1360
67	39.74	-0.00	9.0533	-1.3312	0.0378	0.6863	0.0527	0.1703	0.3505	-0.1802	-0.1454
68	39.90	-0.00	9.1007	-1.3415	0.0471	0.4570	0.0404	0.1754	0.3412	-0.1058	-0.1463
69	40.17	0.01	9.2544	-1.4345	0.0307	0.7014	0.0477	0.1757	0.3547	-0.1790	-0.1550
70	40.39	0.01	9.4110	-1.4775	0.0317	0.7200	0.0375	0.1629	0.3540	-0.1911	-0.1570
71	40.57	0.00	9.4390	-1.5586	0.0341	0.7624	0.0429	0.1815	0.3531	-0.1766	-0.1694
72	40.70	-0.01	9.5055	-1.6574	0.1450	0.6215	0.0316	0.1825	0.3490	-0.1071	-0.1786
73	41.00	0.01	9.6347	-1.6403	0.0505	0.5636	0.0334	0.1436	0.3366	-0.1532	-0.1703
74	41.19	-0.01	9.6121	-1.5001	0.0754	0.5241	0.0392	0.1411	0.3223	-0.1012	-0.1631
75	41.41	0.01	9.7358	-1.7334	0.0275	0.8784	0.0273	0.1519	0.3364	-0.1845	-0.1780
76	41.02	0.01	9.6415	-1.7398	0.0000	0.9444	0.0274	0.1271	0.3330	-0.2059	-0.1768
77	41.82	-0.01	9.9038	-1.5683	0.0316	1.5501	0.0343	0.1582	0.3439	-0.1907	-0.1987
78	42.01	-0.00	9.9510	-1.0505	0.1400	0.7440	0.0100	0.1400	0.3205	-0.1797	-0.1843
79	42.21	-0.00	10.0216	-1.0404	0.1551	1.0804	0.0365	0.1442	0.3327	-0.1885	-0.1844
80	42.40	0.00	10.1065	-1.0000	0.1771	1.3221	0.0005	0.1357	0.3250	-0.1899	-0.1864
81	42.60	-0.01	10.2387	-1.9025	0.0252	1.1951	0.0014	0.1139	0.3201	-0.2062	-0.1937
82	42.78	-0.01	10.3582	-2.0750	0.0430	1.4790	-0.0152	0.1200	0.3333	-0.2073	-0.2004
83	42.97	-0.00	10.3028	-2.0457	0.0157	1.3958	-0.0151	0.1261	0.3302	-0.2021	-0.1988
84	43.14	-0.01	10.4020	-1.9787	0.1144	0.7502	0.0190	0.0705	0.3151	-0.2405	-0.1891
85	43.33	-0.04	10.6218	-2.1058	0.0540	1.5565	-0.0143	0.0818	0.3312	-0.2495	-0.2039
86	43.52	-0.02	10.6075	-2.1135	0.0497	1.2201	-0.0240	0.0755	0.3101	-0.2345	-0.1984
87	43.69	-0.01	10.6115	-2.0204	0.1158	0.9408	-0.0018	0.0646	0.2982	-0.2335	-0.1904
88	43.89	-0.02	10.7408	-2.1464	0.0457	1.2933	-0.0135	0.0712	0.3100	-0.2387	-0.1998
89	44.03	-0.02	10.7102	-2.0621	0.0216	1.4919	-0.0248	0.0852	0.3044	-0.2191	-0.1925
90	44.22	-0.01	10.8006	-2.0270	0.1157	0.7571	0.0105	0.0509	0.2905	-0.2335	-0.1877
91	44.43	-0.02	10.8716	-1.9876	0.1356	0.4642	0.0226	0.0638	0.2871	-0.2233	-0.1828
92	44.58	-0.02	10.8863	-2.2214	0.2217	1.0595	-0.0227	0.0990	0.2867	-0.1878	-0.2040

PAGE 1 OF 3
SHEET 3 OF 4

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART	MACT	RAIO-E	PHI	CONF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1	151	1-10	1-7	U-C	810PZ3	C-C	U	-20	U	-20	UNKNOWN
PCINT	ALPHA	BETA	CM	CLM	CY	CLA	CLL	LA	CAO	CAF	XCP
93	44.78	-0.00	11.7608	-1.9770	-0.0353	0.5013	0.0118	0.0541	0.2790	-0.2249	-0.1804
94	44.97	-0.02	11.0479	-2.2135	-0.2051	1.3612	-0.0232	0.0530	0.2867	-0.2331	-0.2004
95	45.14	-0.02	11.0815	-2.0205	-0.1478	0.2509	0.0346	0.0406	0.2773	-0.2309	-0.1824
96	45.31	-0.02	11.1563	-1.9172	0.0075	-0.1001	0.0577	0.0342	0.2688	-0.2346	-0.1718
97	45.51	-0.01	11.2507	-2.0145	0.0545	0.2444	0.0244	0.0512	0.2705	-0.2353	-0.1791
98	45.70	-0.03	11.3313	-1.9350	-0.1428	0.6529	0.0521	0.0290	0.2139	-0.2445	-0.1712
99	45.85	-0.02	11.7825	-1.9261	-0.0630	0.3851	0.0136	0.0500	0.2660	-0.2300	-0.1707
100	46.02	-0.02	11.4421	-2.0031	-0.1044	0.7228	0.0321	0.0405	0.2750	-0.2345	-0.1751
101	46.23	-0.03	11.5055	-2.0512	-0.2554	1.0423	-0.0095	0.0280	0.2630	-0.2550	-0.1783
102	46.39	-0.04	11.4055	-1.9550	-0.2704	0.9320	-0.0030	0.0395	0.2725	-0.2330	-0.1702
103	46.56	-0.04	11.5444	-1.8557	-0.2125	0.8124	-0.0022	0.0221	0.2642	-0.2421	-0.1640
104	46.74	-0.02	11.7420	-2.1150	-0.0335	0.7715	0.0081	0.0254	0.2663	-0.2409	-0.2049
105	46.92	-0.02	11.6599	-1.8176	-0.0708	0.8231	-0.0080	0.0222	0.2642	-0.2420	-0.1554
106	47.10	-0.02	11.7175	-1.8575	-0.1515	0.9235	-0.0081	0.0308	0.2679	-0.2371	-0.1576
107	47.27	-0.03	11.8130	-1.7851	-0.1635	0.9059	-0.0130	0.0230	0.2653	-0.2423	-0.1511
108	47.43	-0.02	11.9435	-2.2753	-0.0744	0.8097	0.0085	0.0433	0.2717	-0.2284	-0.1508
109	47.59	-0.03	11.8735	-1.8002	-0.1236	0.8007	0.0145	0.0459	0.2641	-0.2382	-0.1403
110	47.75	-0.03	12.0452	-2.2023	-0.2355	0.8575	0.0255	0.0602	0.3038	-0.2155	-0.1878
111	47.96	-0.03	12.1046	-2.0448	-0.1798	0.8013	0.0431	0.0710	0.3027	-0.2316	-0.1689
112	48.16	-0.02	12.3370	-2.4000	-0.0360	0.4545	0.0709	0.1000	0.3332	-0.2286	-0.1576
113	48.31	-0.02	12.2802	-2.1014	-0.0190	0.3724	0.0713	0.0850	0.3285	-0.2434	-0.1760
114	48.47	-0.02	12.2550	-1.7455	0.0510	0.4014	0.0705	0.0805	0.3132	-0.2326	-0.1427
115	48.64	-0.01	12.2505	-1.7000	0.0530	0.4314	0.0767	0.0725	0.3073	-0.2347	-0.1393
116	48.81	-0.01	12.1905	-1.5010	0.0505	0.5029	0.0709	0.0838	0.3017	-0.2178	-0.1231
117	48.98	-0.01	12.3330	-1.6235	0.0814	0.5410	0.0657	0.0787	0.3108	-0.2320	-0.1317
118	49.15	-0.01	12.3552	-1.5335	0.0565	0.7245	0.0708	0.0627	0.3114	-0.2480	-0.1237
119	49.32	-0.02	12.3751	-1.5320	-0.0054	0.6424	0.0712	0.0687	0.3184	-0.2496	-0.1238
120	49.50	0.01	12.5655	-1.9230	0.2151	0.6750	0.0757	0.0900	0.3170	-0.2269	-0.1530
121	49.69	-0.00	12.6135	-1.7588	0.1107	0.6529	0.0924	0.0728	0.3163	-0.2434	-0.1394
122	49.86	0.00	12.6470	-1.7420	0.1070	0.6804	0.0817	0.0994	0.3219	-0.2225	-0.1379
123	50.04	0.00	12.7200	-1.8021	0.1152	1.0823	0.0923	0.0956	0.3215	-0.2258	-0.1416
124	50.20	0.01	12.6794	-1.5929	0.2103	1.2034	0.0807	0.1155	0.3326	-0.2173	-0.1256
125	50.36	-0.00	12.6795	-1.5381	0.1328	1.1181	0.0922	0.1121	0.3311	-0.2190	-0.1213
126	50.55	0.01	12.6544	-1.6582	0.2053	1.1800	0.0757	0.1001	0.3405	-0.2348	-0.1477
127	50.71	0.00	12.8358	-1.7487	0.2580	1.1296	0.0707	0.1212	0.3512	-0.2300	-0.1362
128	50.90	-0.03	13.1104	-2.3340	-0.1137	1.2058	0.0808	0.1041	0.3808	-0.2025	-0.1773
129	51.05	0.01	13.1104	-2.2745	0.3347	0.9617	0.0608	0.1426	0.3695	-0.2209	-0.1689
130	51.21	0.03	13.0675	-2.1000	0.3070	0.9315	0.0609	0.1224	0.3624	-0.2400	-0.1607
131	51.40	0.02	13.3758	-2.6036	0.3778	0.6693	0.0736	0.1117	0.3603	-0.2486	-0.1946
132	51.50	0.02	13.3362	-2.4955	0.3132	0.9550	0.0614	0.1179	0.3574	-0.2395	-0.1871
133	51.72	0.03	13.3344	-2.4668	0.4288	0.9564	0.0612	0.1182	0.3531	-0.2349	-0.1865
134	51.89	0.02	13.4005	-2.5901	0.4570	0.9429	0.0670	0.1017	0.3470	-0.2453	-0.1932
135	52.05	0.02	13.4057	-2.5507	0.3586	0.8408	0.0566	0.0874	0.3366	-0.2451	-0.1903
136	52.22	0.01	13.4456	-2.0556	0.2755	1.0039	0.0510	0.0759	0.3404	-0.2084	-0.1908
137	52.37	0.02	13.3900	-2.3764	0.3033	0.7666	0.0517	0.0661	0.3519	-0.2667	-0.1775
138	52.54	0.03	13.4701	-2.4744	0.4075	0.7303	0.0519	0.0771	0.3555	-0.2703	-0.1837

PAGE 1 OF 3
SHEET 4 OF 5

MANTIA MISSILE TAILS EFFECTS DATA

TEST PART NAME AXIC-6 PHT CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
1 151 1.10 1.7 0.0 810023 0.0 U -20 U -20 UNKNOWN

FCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
139	52.70	0.01	13.4408	-2.4008	0.3164	0.7772	0.0519	0.0808	0.3594	-0.2785	-0.1790

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

POINT	TEST PART MACH X10-6				PRI CNF		DEL1 DEL2		DEL3 DEL4		TRANSITION	
	7	10	15	20	C.C. 23	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CL1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.75	0.02	-0.0177	-0.0036	0.0203	0.2022	-1.1475	-1.1319	-0.0115	-0.6231	0.0101	0.5505
2	-5.75	0.02	-0.0252	-0.0033	0.0188	0.1377	-0.7045	-1.1246	-0.0121	-0.6216	0.0108	0.5527
3	-5.75	0.01	-0.0152	-0.0040	0.0186	0.2595	-1.2215	-1.1260	-0.0122	-0.6204	0.0108	0.5510
4	-5.18	0.02	-0.0218	-0.0023	0.0127	0.0633	-0.4583	-1.0748	-0.0163	-0.6178	0.0151	0.5720
5	-3.23	0.00	-0.0257	-0.0018	0.0107	0.0552	-0.3804	-0.9964	-0.0144	-0.5887	0.0144	0.5888
6	-1.45	0.00	-0.0345	-0.0007	0.0106	0.0211	-0.3323	-0.9180	-0.0079	-0.5638	0.0086	0.6141
7	0.46	0.03	-0.0303	0.0010	0.0140	-0.0318	-0.4809	-0.8183	-0.0103	-0.5107	0.0126	0.6241
8	2.32	0.01	-0.0222	0.0015	0.0145	-0.0685	-0.5274	-0.6973	-0.0131	-0.4436	0.0188	0.6361
9	4.18	0.00	-0.0145	0.0030	0.0276	-0.2067	-1.0367	-0.5816	-0.0155	-0.3662	0.0287	0.6330
10	6.07	0.01	-0.0061	0.0014	0.0198	0.0198	-0.2904	-0.4295	-0.0165	-0.2915	0.0384	0.6787
11	7.97	0.01	-0.0047	0.0010	0.0361	0.0176	-0.6596	-0.2784	-0.0096	-0.2120	0.0343	0.7615
12	9.80	0.00	-0.0088	-0.0042	0.0371	0.0539	-0.4700	-0.1361	-0.0026	-0.1552	0.0191	1.1254
13	11.74	0.01	-0.0075	-0.0052	0.0385	0.1298	-0.6718	0.0246	0.0098	-0.0823	0.4000	-3.3451
14	13.64	0.00	-0.0056	-0.0122	0.0481	0.1145	-0.2633	0.1495	0.0220	-0.0220	0.1472	-0.1472
15	15.61	0.00	-0.0177	-0.0108	0.0150	0.1426	-0.1615	0.2825	0.0311	0.0217	0.1100	0.0768
16	17.60	0.01	-0.0154	-0.0240	0.0113	0.1598	0.0081	0.4054	0.0365	0.0780	0.0973	0.1923
17	19.52	0.02	-0.0024	-0.0214	0.0057	0.1315	0.0350	0.4952	0.0433	0.1380	0.0875	0.2786
18	21.53	0.01	-0.0216	-0.0178	0.0071	0.0804	0.2883	0.6097	0.0474	0.1870	0.0863	0.3171
19	23.55	0.00	-0.0342	-0.0142	0.0085	0.0412	0.3095	0.6559	0.0481	0.2250	0.0734	0.3430
20	25.52	0.00	-0.0150	-0.0125	0.0073	0.0353	0.3049	0.7403	0.0477	0.2687	0.0626	0.3601
21	27.50	0.00	0.0056	0.0050	0.0070	0.1408	1.3226	0.8154	0.0435	0.3020	0.0534	0.3704
22	28.10	0.00	0.0076	0.0088	0.0082	0.2361	2.7430	0.8153	0.0435	0.3039	0.0534	0.3728
23	28.45	0.01	0.0231	0.0115	0.0121	0.0504	0.9359	0.8330	0.0429	0.3123	0.0515	0.3750
24	28.71	0.02	0.0703	0.0083	0.0000	0.0892	1.5075	0.8330	0.0441	0.3115	0.0529	0.3739
25	29.04	0.03	-0.0157	0.0014	0.0084	-0.0859	-3.5890	0.8330	0.0441	0.3105	0.0525	0.3728
26	29.36	0.01	-0.0273	-0.0007	0.0082	0.0181	-0.9690	0.8520	0.0438	0.3197	0.0514	0.3752
27	29.65	0.01	0.0003	0.0003	0.0798	0.1040	1.3232	0.8639	0.0431	0.3264	0.0499	0.3778
28	29.92	0.00	0.0007	0.0055	0.0570	0.1148	1.1179	0.8720	0.0423	0.3321	0.0485	0.3808
29	30.21	0.00	0.1059	0.0135	0.1522	0.0732	0.8013	0.8817	0.0403	0.3366	0.0457	0.3818
30	30.49	0.04	0.2355	0.0045	0.1108	0.0386	0.7369	0.8578	0.0389	0.3299	0.0453	0.3846
31	30.76	0.07	0.2128	0.0080	0.1662	0.0281	0.7010	0.8771	0.0381	0.3353	0.0435	0.3823
32	31.03	0.06	0.0756	-0.0023	0.1080	-0.0369	1.4401	0.8721	0.0396	0.3330	0.0454	0.3818
33	31.32	0.04	0.1232	0.0007	0.1264	0.0055	1.0258	0.8618	0.0374	0.3386	0.0425	0.3840
34	31.60	0.03	0.0507	-0.0042	0.0521	-0.0038	1.0190	0.8010	0.0389	0.3430	0.0432	0.3807
35	31.87	0.03	0.0526	-0.0045	0.0542	-0.0036	1.7908	0.8009	0.0389	0.3440	0.0432	0.3818
36	32.15	0.03	0.1354	0.0	0.1314	0.0	0.9673	0.9174	0.0371	0.3492	0.0405	0.3804
37	32.40	0.03	0.1232	0.0007	0.1275	0.0055	1.0345	0.9116	0.0365	0.3500	0.0400	0.3839
38	32.68	0.02	0.0000	0.0010	0.0475	0.0270	1.6032	0.9308	0.0360	0.3573	0.0387	0.3838
39	32.95	0.02	0.0124	-0.0014	0.0283	-0.0733	4.9759	0.9356	0.0355	0.3586	0.0379	0.3833
40	33.22	0.02	-0.0247	-0.0007	0.0404	0.0073	-1.6367	0.9670	0.0334	0.3688	0.0350	0.3814
41	33.45	-0.00	-0.0253	-0.0010	0.0427	0.0329	-1.4572	0.9574	0.0343	0.3642	0.0359	0.3804
42	33.72	0.01	0.0361	-0.0003	0.0634	-0.0000	2.3102	0.9710	0.0324	0.3708	0.0334	0.3819
43	33.98	0.03	0.0536	0.0007	0.1167	0.0072	1.2474	0.9569	0.0316	0.3648	0.0331	0.3813
44	34.20	0.01	0.0045	0.0000	0.0800	0.0008	2.0023	0.9929	0.0302	0.3754	0.0304	0.3781
45	34.47	0.02	0.0402	0.0003	0.0858	0.0072	2.1319	1.0097	0.0292	0.3816	0.0290	0.3776
46	34.73	0.01	0.0089	-0.0001	0.0721	-0.0761	8.1190	1.0242	0.0286	0.3847	0.0279	0.3756

PAGE 2 OF 3
 SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART NAME R31C-6		PHI	CNF1	CHI	CEL1	DEC2	CEL3	CEL4	TRANSITION			
7		151	1.10	1.7	C.C	0	-20	0	-20	UNKNOWN		
PCINT	ALPHA	BETA	CNF1	CHI	CEL1	DEC2	CEL3	CEL4	TRANSITION	TRANSITION	TRANSITION	TRANSITION
47	34.56	0.03	0.0774	0.0028	0.1048	0.0337	1.3541	1.0363	0.0279	0.3886	0.0269	0.3756
48	35.21	0.01	0.0653	0.0026	0.1101	0.0313	1.3221	1.0376	0.0252	0.3816	0.0282	0.3735
49	35.45	0.01	0.0445	0.0010	0.0862	0.0217	1.9371	1.0618	0.0236	0.3953	0.0269	0.3723
50	35.71	0.00	0.0616	0.0014	0.0674	0.0222	1.6016	1.0559	0.0286	0.3922	0.0270	0.3714
51	35.93	0.03	0.0374	0.0007	0.0502	0.0160	2.4098	1.0416	0.0295	0.3851	0.0284	0.3737
52	36.17	0.03	0.0556	0.0040	0.1214	0.0397	1.2190	1.0416	0.0279	0.3872	0.0268	0.3717
53	36.46	0.00	0.0464	0.0030	0.0875	0.0644	1.8856	1.0697	0.0255	0.3965	0.0238	0.3711
54	36.69	0.01	0.0760	0.0046	0.1058	0.0588	1.3429	1.0549	0.0255	0.3926	0.0242	0.3729
55	36.95	-0.00	0.0110	0.0026	0.0716	0.02368	6.5068	1.0794	0.0245	0.3956	0.0227	0.3703
56	37.18	0.01	0.0331	0.0040	0.0800	0.1195	2.0589	1.0748	0.0237	0.3992	0.0221	0.3715
57	37.42	0.01	0.0170	0.0026	0.0765	0.1514	4.5284	1.0748	0.0226	0.3972	0.0212	0.3656
58	37.65	0.01	0.0374	0.0049	0.0849	0.1298	2.2392	1.0749	0.0218	0.3963	0.0203	0.3687
59	37.88	0.02	0.0269	0.0048	0.0647	0.1720	3.1469	1.0858	0.0221	0.3985	0.0204	0.3670
60	38.11	0.01	0.0081	0.0072	0.0727	0.2776	2.7389	1.1123	0.0221	0.4026	0.0199	0.3620
61	38.35	0.03	0.0560	0.0065	0.0592	0.1241	1.7724	1.0884	0.0205	0.3958	0.0188	0.3637
62	38.58	-0.00	0.0051	0.0053	0.0608	0.5051	1.5051	1.1148	0.0206	0.4028	0.0185	0.3613
63	38.82	-0.01	0.0131	0.0046	0.0720	0.3529	5.4853	1.1246	0.0206	0.4037	0.0184	0.3590
64	39.04	-0.01	0.0021	0.0046	0.0635	1.5000	20.5025	1.1294	0.0205	0.4041	0.0181	0.3578
65	39.31	-0.02	-0.0106	0.0056	0.0568	-0.5179	-4.6964	1.1390	0.0214	0.4049	0.0188	0.3554
66	39.52	0.01	0.0024	0.0053	0.0607	1.5714	17.9714	1.1393	0.0197	0.4010	0.0173	0.3520
67	39.74	-0.00	-0.0107	0.0033	0.0567	-0.3063	-4.7297	1.1441	0.0202	0.4015	0.0176	0.3505
68	39.98	-0.00	0.0023	0.0060	0.0513	2.5033	22.1667	1.1648	0.0197	0.4074	0.0165	0.3497
69	40.17	0.01	-0.0050	0.0046	0.0448	-0.8276	-6.0000	1.1649	0.0214	0.4007	0.0184	0.3440
70	40.39	0.01	-0.0116	0.0037	0.0394	-0.3167	-3.4000	1.1697	0.0205	0.4040	0.0175	0.3454
71	40.57	0.00	-0.0056	0.0040	0.0405	-0.4141	-4.2424	1.1794	0.0214	0.4048	0.0182	0.3432
72	40.78	-0.01	-0.0032	-0.0007	0.0167	0.0127	0.3702	1.1856	0.0198	0.4076	0.0167	0.3438
73	41.00	0.01	-0.0231	0.0016	0.0295	-0.0711	-1.1213	1.1930	0.0212	0.4053	0.0178	0.3398
74	41.19	-0.01	-0.0078	0.0005	0.0205	-0.0077	-0.5408	1.1905	0.0227	0.4024	0.0160	0.3380
75	41.41	0.01	-0.0723	-0.0033	0.0051	0.0457	-0.0697	1.2002	0.0212	0.4069	0.0177	0.3390
76	41.62	0.01	-0.0080	-0.0023	-0.0013	0.0713	0.0143	1.2015	0.0227	0.4075	0.0189	0.3391
77	41.82	-0.01	-0.1360	-0.0120	-0.0235	0.0867	0.1734	1.2233	0.0232	0.4103	0.0189	0.3354
78	42.01	-0.00	-0.0021	-0.0037	0.0035	0.0540	-0.0559	1.2210	0.0232	0.4062	0.0190	0.3327
79	42.21	-0.00	-0.1064	-0.0055	-0.0120	0.0534	0.1124	1.2161	0.0241	0.4045	0.0198	0.3329
80	42.40	0.00	-0.1268	-0.0136	-0.0208	0.1058	0.2062	1.2219	0.0256	0.4037	0.0209	0.3304
81	42.60	-0.01	-0.1267	-0.0143	-0.0258	0.1127	0.2036	1.2413	0.0241	0.4110	0.0194	0.3311
82	42.78	-0.01	-0.0000	-0.0242	-0.0355	0.1411	0.2753	1.2413	0.0246	0.4051	0.0198	0.3296
83	42.97	-0.00	-0.1619	-0.0173	-0.0447	0.1067	0.2759	1.2438	0.0236	0.4075	0.0208	0.3278
84	43.14	-0.01	-0.0018	-0.0037	-0.0002	0.0543	0.0051	1.2430	0.0208	0.4010	0.0216	0.3226
85	43.33	-0.04	-0.1710	-0.0205	-0.0431	0.1229	0.2923	1.2574	0.0236	0.4069	0.0203	0.3252
86	43.52	-0.02	-0.1556	-0.0186	-0.0465	0.1107	0.2914	1.2575	0.0256	0.4071	0.0203	0.3237
87	43.69	-0.01	-0.1429	-0.0177	-0.0390	0.1236	0.2728	1.2638	0.0266	0.4085	0.0211	0.3246
88	43.89	-0.02	-0.1740	-0.0196	-0.0460	0.1153	0.2775	1.2634	0.0271	0.4059	0.0215	0.3213
89	44.03	-0.02	-0.2530	-0.0293	-0.0798	0.1159	0.3194	1.2823	0.0299	0.4033	0.0234	0.3195
90	44.22	-0.01	-0.1674	-0.0124	-0.0245	0.1150	0.2282	1.2649	0.0286	0.4006	0.0226	0.3167
91	44.43	-0.02	-0.0465	-0.0030	-0.0005	0.0643	-0.0104	1.2553	0.0290	0.3966	0.0231	0.3162
92	44.58	-0.02	-0.1475	-0.0117	-0.0047	0.1194	0.3099	1.2710	0.0286	0.4055	0.0224	0.3176

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF AX10-E		PH1 CNF1		L		DEL1 DEL2 DEL3 DEL4 TRANSITION						
7 151 1.10 1.7		C.0 310F23		C.C		0 -20 0 -20 UNKNOWN						
PCINT	ALPHA	BETA	CNF1	CHI	Cbl	ALFF1	YCPF1	CNF2	CH2	C82	XCPF2	YCPF2
93	44.78	-0.00	-0.0566	-0.0096	-0.0232	0.0999	0.2398	1.2554	0.0295	0.3941	0.0235	0.3136
94	44.47	-0.02	-0.1043	-0.0213	-0.0350	0.1259	0.3487	1.2698	0.0297	0.4011	0.0234	0.3156
95	45.14	-0.02	-0.1302	-0.0150	-0.0305	0.1149	0.2958	1.2569	0.0286	0.3945	0.0227	0.3139
96	45.31	-0.02	-0.0643	-0.0096	-0.0365	0.2392	0.7300	1.2344	0.0286	0.3736	0.0231	0.3027
97	45.51	-0.01	-0.0633	-0.0103	-0.0247	0.1240	0.2966	1.2534	0.0296	0.3867	0.0236	0.3085
98	45.70	-0.03	-0.0146	-0.0003	-0.0004	0.0190	0.4314	1.2330	0.0277	0.3726	0.0225	0.3022
99	45.85	-0.02	-0.0655	-0.0070	-0.0226	0.1069	0.3426	1.2545	0.0279	0.3851	0.0222	0.3076
100	46.02	-0.02	-0.1022	-0.0130	-0.0344	0.1275	0.3371	1.2514	0.0272	0.3804	0.0217	0.3039
101	46.23	-0.03	-0.1424	-0.0204	-0.0341	0.1372	0.3648	1.2586	0.0272	0.3848	0.0216	0.3057
102	46.34	-0.04	-0.1405	-0.0201	-0.0321	0.1370	0.3351	1.2587	0.0262	0.3838	0.0209	0.3049
103	46.50	-0.04	-0.1075	-0.0171	-0.0411	0.1503	0.3310	1.2468	0.0240	0.3770	0.0193	0.3024
104	46.74	-0.02	-0.1034	-0.0101	-0.0421	0.1492	0.3354	1.2421	0.0238	0.3726	0.0192	0.3000
105	46.92	-0.02	-0.1285	-0.0210	-0.0453	0.1632	0.3825	1.2229	0.0238	0.3634	0.0195	0.2971
106	47.10	-0.02	-0.1005	-0.0140	-0.0440	0.1630	0.3007	1.2196	0.0232	0.3612	0.0190	0.2972
107	47.27	-0.03	-0.1121	-0.0107	-0.0436	0.1670	0.3350	1.2085	0.0224	0.3549	0.0185	0.2937
108	47.43	-0.02	-0.0550	-0.0113	-0.0413	0.1530	0.4172	1.1904	0.0224	0.3500	0.0187	0.2925
109	47.55	-0.03	-0.0201	-0.0106	-0.0482	0.0444	0.7000	1.1907	0.0166	0.3418	0.0139	0.2876
110	47.79	-0.03	-0.0365	-0.0184	-0.0221	0.5335	0.6397	1.1925	0.0137	0.3392	0.0115	0.2845
111	47.96	-0.03	-0.0445	-0.0134	-0.0085	-0.0020	0.1917	1.1758	0.0117	0.3250	0.0099	0.2798
112	48.14	-0.02	-0.0254	-0.0030	-0.0021	-0.0032	0.3236	1.1405	0.0110	0.3227	0.0056	0.2814
113	48.31	-0.02	-0.1355	-0.0007	-0.0457	-0.0050	0.3376	1.1355	0.0124	0.3113	0.0110	0.2741
114	48.47	-0.02	-0.1051	-0.0107	-0.0371	0.0501	0.3395	1.0839	0.0108	0.2906	0.0174	0.2681
115	48.64	-0.01	-0.1327	-0.0121	-0.0475	0.0609	0.3564	1.0756	0.0165	0.2872	0.0157	0.2676
116	48.81	-0.01	-0.0001	-0.0045	-0.0104	0.1573	0.3306	1.0547	0.0228	0.2457	0.0208	0.2701
117	48.98	-0.01	-0.0475	-0.0051	-0.0114	0.1511	0.2398	1.0896	0.0234	0.2563	0.0215	0.2719
118	49.15	-0.01	-0.0155	-0.0001	-0.0006	0.3058	0.0291	1.0347	0.0234	0.2705	0.0227	0.2614
119	49.32	-0.02	-0.0286	-0.0061	-0.0025	-0.2126	0.0076	1.0251	0.0225	0.2657	0.0219	0.2592
120	49.50	-0.01	-0.0042	-0.0041	-0.0035	-0.4375	-0.3750	0.9052	0.0228	0.2463	0.0236	0.2552
121	49.69	-0.00	-0.0196	-0.0041	-0.0033	-0.2009	0.1675	0.9113	0.0226	0.2282	0.0248	0.2504
122	49.80	-0.00	-0.0026	-0.0010	-0.0035	-0.0290	-1.3333	0.0019	0.0235	0.2195	0.0267	0.2493
123	50.04	-0.00	-0.0040	-0.0010	-0.0051	-0.2439	1.2927	0.0006	0.0245	0.2195	0.0275	0.2503
124	50.20	-0.01	-0.0041	-0.0014	-0.0041	-0.3333	1.0238	0.0085	0.0248	0.2239	0.0286	0.2579
125	50.36	-0.00	-0.0001	-0.0007	-0.0075	-0.0633	0.9266	0.0085	0.0248	0.2249	0.0286	0.2590
126	50.55	-0.01	-0.0130	-0.0007	-0.0042	-0.0519	0.3259	0.0002	0.0250	0.2308	0.0288	0.2658
127	50.71	-0.00	-0.0196	-0.0004	-0.0055	-0.0197	0.3005	0.0651	0.0251	0.2289	0.0290	0.2646
128	50.90	-0.03	-0.0100	-0.0004	-0.0004	0.0214	0.0	0.0004	0.0246	0.2381	0.0279	0.2705
129	51.05	-0.01	-0.0252	-0.0007	-0.0031	0.0268	-0.1226	0.0855	0.0241	0.2385	0.0272	0.2654
130	51.21	-0.03	-0.0255	-0.0007	-0.0054	0.0265	-0.2311	0.0755	0.0244	0.2377	0.0279	0.2715
131	51.40	-0.02	-0.0217	-0.0007	-0.0111	0.0311	-0.5111	0.0920	0.0234	0.2463	0.0263	0.2781
132	51.58	-0.02	-0.0310	-0.0007	-0.0130	0.0218	-0.4206	0.0878	0.0244	0.2451	0.0275	0.2761
133	51.72	-0.03	-0.0305	-0.0007	-0.0121	0.0219	-0.3906	0.0902	0.0234	0.2450	0.0262	0.2734
134	51.89	-0.03	-0.0311	-0.0007	-0.0130	0.0217	-0.4193	0.0894	0.0237	0.2446	0.0267	0.2750
135	52.05	-0.02	-0.0245	-0.0007	-0.0185	0.0271	-0.7442	0.0901	0.0225	0.2523	0.0247	0.2772
136	52.22	-0.01	-0.0211	-0.0007	-0.0174	0.0249	-0.0406	0.0910	0.0228	0.2509	0.0250	0.2751
137	52.37	-0.02	-0.0227	-0.0	-0.0175	0.0	-0.7915	0.0912	0.0229	0.2521	0.0251	0.2762
138	52.54	-0.03	-0.0310	-0.0	-0.0161	0.0	-0.5091	0.09173	0.0233	0.2499	0.0255	0.2724

PAGE 2 OF 3
SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST	PART	MACF	FXIC-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	151	1.16	1.7	0.0	0.100F25	0.0	0	-20	0	-20	UNKNOWN

PCINT	ALPHA	BETA	CNF1	CH1	Co1	XCPF1	YCPF1	CNF2	CH2	Co2	XCPF2	YCPF2
139	52.70	0.01	-0.0228	0.0	0.0180	0.0	-0.7924	0.9157	0.0229	0.2499	0.0250	0.2729

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 7.0-6												
7 151 1.14 1.07 0.0 0.00000 0.0 0 -20 0 -20 UNKNOWN												
PCINT	ALPHA	BETA	CNF3	CH3	CH3	ACPF3	YCFF3	CNF4	CF4	CB4	ACPF4	YCFF4
1	-5.75	0.02	0.0745	5.5555	0.0223	5.5555	0.2952	-1.3644	0.0052	-0.5486	-0.0038	0.4020
2	-5.75	0.02	0.0745	5.5555	0.0223	5.5555	0.3044	-1.3514	0.0045	-0.5457	-0.0034	0.4037
3	-5.75	0.01	0.0745	5.5555	0.0225	5.5555	0.2927	-1.3560	0.0050	-0.5465	-0.0037	0.4036
4	-5.16	0.02	0.0611	5.5555	0.0247	5.5555	0.4044	-1.3057	0.0010	-0.5341	-0.0007	0.4090
5	-3.23	0.00	0.0453	5.5555	0.0267	5.5555	0.6314	-1.2425	-0.0050	-0.5175	0.0040	0.4165
6	-1.45	0.00	0.0366	5.5555	0.0271	5.5555	0.7414	-1.1324	-0.0070	-0.4772	0.0084	0.4214
7	0.46	0.03	0.0477	5.5555	0.0271	5.5555	0.5666	-1.0484	-0.0091	-0.4450	0.0087	0.4283
8	2.32	0.01	0.0323	5.5555	0.0232	5.5555	0.4426	-0.9058	-0.0141	-0.3867	0.0156	0.4269
9	4.18	0.00	0.0343	5.5555	0.0284	5.5555	0.3518	-0.7682	-0.0154	-0.3303	0.0252	0.4299
10	6.07	0.01	0.0542	5.5555	0.0155	5.5555	0.2687	-0.6086	-0.0207	-0.2543	0.0341	0.4179
11	7.97	0.01	0.0662	5.5555	0.0150	5.5555	0.2192	-0.4271	-0.0152	-0.1530	0.0357	0.4518
12	9.80	-0.00	0.0641	5.5555	0.0077	5.5555	0.1205	-0.2681	-0.0062	-0.1243	0.0214	0.4313
13	11.74	-0.01	0.0730	5.5555	0.0067	5.5555	0.0511	-0.1151	0.0050	-0.0438	-0.0436	0.3808
14	13.64	-0.00	0.0711	5.5555	0.0014	5.5555	0.0190	-0.0033	0.0152	0.0267	-0.4671	-0.1471
15	15.61	0.00	0.0665	5.5555	0.0060	5.5555	0.0692	0.1263	0.0225	0.0564	0.1811	0.7632
16	17.60	-0.01	0.0714	5.5555	-0.0065	5.5555	-0.0905	0.2431	0.0322	0.1571	0.1326	0.6463
17	19.52	-0.02	0.0603	5.5555	-0.0032	5.5555	-0.0397	0.3490	0.0388	0.2130	0.1053	0.6165
18	21.53	-0.01	0.0622	5.5555	-0.0032	5.5555	-0.0678	0.4398	0.0406	0.2558	0.0924	0.5816
19	23.55	0.00	0.0515	5.5555	-0.0048	5.5555	-0.0527	0.5286	0.0423	0.2527	0.0800	0.5535
20	25.52	-0.02	0.0651	5.5555	-0.0114	5.5555	-0.1310	0.5552	0.0432	0.3188	0.0726	0.5356
21	27.56	0.02	0.1244	5.5555	0.0042	5.5555	0.0372	0.6440	0.0462	0.3410	0.0724	0.5255
22	29.10	0.03	0.1288	5.5555	0.0068	5.5555	0.0524	0.6514	0.0468	0.3444	0.0718	0.5287
23	26.45	0.01	0.1202	5.5555	0.0028	5.5555	0.0217	0.6420	0.0474	0.3431	0.0745	0.5344
24	28.71	0.02	0.1224	5.5555	0.0015	5.5555	0.0158	0.6620	0.0471	0.3501	0.0711	0.5288
25	29.04	0.03	0.1224	5.5555	0.0015	5.5555	0.0158	0.6821	0.0464	0.3575	0.0680	0.5247
26	29.36	0.01	0.1134	5.5555	0.0026	5.5555	0.0178	0.7045	0.0457	0.3677	0.0649	0.5219
27	29.65	-0.01	0.1356	5.5555	0.0081	5.5555	-0.0598	0.7165	0.0474	0.3656	0.0661	0.5159
28	29.92	0.03	0.1311	5.5555	0.0056	5.5555	0.0728	0.7173	0.0477	0.3725	0.0665	0.5159
29	30.21	0.04	0.1376	5.5555	0.0105	5.5555	0.0751	0.7370	0.0483	0.3755	0.0656	0.5143
30	30.44	0.04	0.1443	5.5555	0.0141	5.5555	0.0976	0.7717	0.0481	0.3888	0.0624	0.5039
31	30.76	0.07	0.1311	5.5555	0.0056	5.5555	0.0726	0.7544	0.0467	0.3569	0.0588	0.4558
32	31.05	0.04	0.1310	5.5555	0.0130	5.5555	0.0994	0.8273	0.0441	0.4054	0.0533	0.4501
33	31.32	0.04	0.1376	5.5555	0.0144	5.5555	0.1045	0.8371	0.0463	0.4080	0.0525	0.4874
34	31.60	0.03	0.1267	5.5555	0.0100	5.5555	0.0792	0.8547	0.0431	0.4110	0.0505	0.4809
35	31.87	0.03	0.1200	5.5555	0.0087	5.5555	0.0723	0.8547	0.0431	0.4102	0.0505	0.4795
36	32.15	0.03	0.1267	5.5555	0.0105	5.5555	0.0861	0.8670	0.0431	0.4138	0.0491	0.4773
37	32.40	0.03	0.1311	5.5555	0.0135	5.5555	0.1060	0.8706	0.0431	0.4163	0.0495	0.4782
38	32.66	0.02	0.1222	5.5555	0.0123	5.5555	0.1002	0.8502	0.0431	0.4117	0.0503	0.4798
39	32.95	0.02	0.1244	5.5555	0.0142	5.5555	0.1140	0.8755	0.0417	0.4166	0.0478	0.4757
40	33.22	0.02	0.1065	5.5555	0.0054	5.5555	0.0551	0.8810	0.0410	0.4165	0.0465	0.4732
41	33.45	-0.00	0.1134	5.5555	0.0107	5.5555	0.0945	0.8608	0.0417	0.4161	0.0473	0.4723
42	33.72	0.01	0.1045	5.5555	0.0055	5.5555	0.0868	0.9075	0.0412	0.4242	0.0454	0.4674
43	33.96	0.03	0.1242	5.5555	0.0168	5.5555	0.1352	0.9373	0.0410	0.4309	0.0432	0.4557
44	34.20	0.01	0.1045	5.5555	0.0052	5.5555	0.0817	0.9247	0.0415	0.4281	0.0449	0.4630
45	34.47	0.02	0.1065	5.5555	0.0100	5.5555	0.1123	0.9545	0.0415	0.4314	0.0435	0.4587
46	34.73	0.01	0.1044	5.5555	0.0105	5.5555	0.1044	0.9371	0.0417	0.4306	0.0445	0.4585

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

POINT	TEST PART MACH RX10-E			PHI CNF		C	DEL1		DEL2	DEL3	DEL4	TRANSITION	
	7	1.51	1.10	1.1	G.C		0	-20				UNKNOWN	
POINT	ALPHA	BETA	CNF3	CNF4	CNF5	XCNF3	YCNF3	CNF4	CNF5	CE4	XCNF4	YCNF4	
47	34.96	0.03	0.1044	0.0999	0.0999	0.0999	0.1044	0.0999	0.0999	0.0417	0.4333	0.4336	0.4529
48	35.21	0.01	0.1044	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0417	0.4333	0.4336	0.4529
49	35.45	0.01	0.1044	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0417	0.4333	0.4336	0.4529
50	35.71	0.00	0.1044	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0417	0.4333	0.4336	0.4529
51	35.93	0.03	0.1177	0.0999	0.0999	0.0999	0.1164	0.0999	0.0999	0.0417	0.4389	0.0419	0.4414
52	36.17	0.03	0.1068	0.0999	0.0999	0.0999	0.1028	0.0999	0.0999	0.0417	0.4425	0.0419	0.4414
53	36.42	0.00	0.0999	0.0999	0.0999	0.0999	0.1053	0.0999	0.0999	0.0417	0.4375	0.0419	0.4414
54	36.69	0.01	0.0999	0.0999	0.0999	0.0999	0.1053	0.0999	0.0999	0.0417	0.4375	0.0419	0.4414
55	36.95	0.00	0.1044	0.0999	0.0999	0.0999	0.0878	0.0999	0.0999	0.0417	0.4364	0.0419	0.4414
56	37.18	0.01	0.1044	0.0999	0.0999	0.0999	0.1029	0.0999	0.0999	0.0417	0.4364	0.0419	0.4414
57	37.42	0.01	0.1068	0.0999	0.0999	0.0999	0.1189	0.0999	0.0999	0.0417	0.4375	0.0419	0.4414
58	37.65	0.01	0.1068	0.0999	0.0999	0.0999	0.1270	0.0999	0.0999	0.0417	0.4364	0.0419	0.4414
59	37.88	0.02	0.1044	0.0999	0.0999	0.0999	0.1043	0.0999	0.0999	0.0417	0.4333	0.0419	0.4414
60	38.11	0.01	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0417	0.4266	0.0419	0.4414
61	38.35	0.03	0.1044	0.0999	0.0999	0.0999	0.1051	0.0999	0.0999	0.0417	0.4364	0.0419	0.4414
62	38.58	0.00	0.0999	0.0999	0.0999	0.0999	0.0796	0.0999	0.0999	0.0417	0.4266	0.0419	0.4414
63	38.82	0.01	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0999	0.0417	0.4278	0.0419	0.4414
64	39.04	0.01	0.0999	0.0999	0.0999	0.0999	0.0786	0.0999	0.0999	0.0417	0.4266	0.0419	0.4414
65	39.31	0.02	0.0999	0.0999	0.0999	0.0999	0.0793	0.0999	0.0999	0.0417	0.4235	0.0419	0.4414
66	39.52	0.01	0.1044	0.0999	0.0999	0.0999	0.1188	0.0999	0.0999	0.0417	0.4212	0.0419	0.4414
67	39.74	0.00	0.0999	0.0999	0.0999	0.0999	0.1071	0.0999	0.0999	0.0417	0.4156	0.0419	0.4414
68	39.96	0.00	0.0999	0.0999	0.0999	0.0999	0.1144	0.0999	0.0999	0.0417	0.4161	0.0419	0.4414
69	40.17	0.01	0.0999	0.0999	0.0999	0.0999	0.1175	0.0999	0.0999	0.0417	0.4161	0.0419	0.4414
70	40.39	0.01	0.0999	0.0999	0.0999	0.0999	0.1375	0.0999	0.0999	0.0417	0.4156	0.0419	0.4414
71	40.57	0.00	0.0999	0.0999	0.0999	0.0999	0.1114	0.0999	0.0999	0.0417	0.4122	0.0419	0.4414
72	40.78	0.01	0.0999	0.0999	0.0999	0.0999	0.1325	0.0999	0.0999	0.0417	0.4055	0.0419	0.4414
73	41.00	0.01	0.0999	0.0999	0.0999	0.0999	0.1524	0.0999	0.0999	0.0417	0.4125	0.0419	0.4414
74	41.19	0.01	0.0999	0.0999	0.0999	0.0999	0.1653	0.0999	0.0999	0.0417	0.4124	0.0419	0.4414
75	41.41	0.01	0.0999	0.0999	0.0999	0.0999	0.1574	0.0999	0.0999	0.0417	0.4075	0.0419	0.4414
76	41.62	0.01	0.0999	0.0999	0.0999	0.0999	0.1702	0.0999	0.0999	0.0417	0.4048	0.0419	0.4414
77	41.82	0.01	0.0999	0.0999	0.0999	0.0999	0.1194	0.0999	0.0999	0.0417	0.4009	0.0419	0.4414
78	42.01	0.00	0.0999	0.0999	0.0999	0.0999	0.1888	0.0999	0.0999	0.0417	0.4073	0.0419	0.4414
79	42.21	0.00	0.0999	0.0999	0.0999	0.0999	0.2229	0.0999	0.0999	0.0417	0.4034	0.0419	0.4414
80	42.40	0.00	0.0999	0.0999	0.0999	0.0999	0.1900	0.0999	0.0999	0.0417	0.4037	0.0419	0.4414
81	42.60	0.01	0.0999	0.0999	0.0999	0.0999	0.1775	0.0999	0.0999	0.0417	0.4009	0.0419	0.4414
82	42.78	0.01	0.0999	0.0999	0.0999	0.0999	0.2034	0.0999	0.0999	0.0417	0.3957	0.0419	0.4414
83	42.97	0.00	0.0999	0.0999	0.0999	0.0999	0.1797	0.0999	0.0999	0.0417	0.3980	0.0419	0.4414
84	43.14	0.01	0.0999	0.0999	0.0999	0.0999	0.1930	0.0999	0.0999	0.0417	0.4117	0.0419	0.4414
85	43.33	0.04	0.0999	0.0999	0.0999	0.0999	0.2290	0.0999	0.0999	0.0417	0.3980	0.0419	0.4414
86	43.52	0.02	0.0999	0.0999	0.0999	0.0999	0.2258	0.0999	0.0999	0.0417	0.4034	0.0419	0.4414
87	43.69	0.01	0.0999	0.0999	0.0999	0.0999	0.2266	0.0999	0.0999	0.0417	0.4034	0.0419	0.4414
88	43.85	0.02	0.0999	0.0999	0.0999	0.0999	0.2103	0.0999	0.0999	0.0417	0.3980	0.0419	0.4414
89	44.03	0.02	0.0999	0.0999	0.0999	0.0999	0.2201	0.0999	0.0999	0.0417	0.3980	0.0419	0.4414
90	44.22	0.01	0.0999	0.0999	0.0999	0.0999	0.2201	0.0999	0.0999	0.0417	0.4073	0.0419	0.4414
91	44.43	0.02	0.0999	0.0999	0.0999	0.0999	0.2448	0.0999	0.0999	0.0417	0.4034	0.0419	0.4414
92	44.58	0.02	0.0999	0.0999	0.0999	0.0999	0.2448	0.0999	0.0999	0.0417	0.4024	0.0419	0.4414

PAHTIA MISSILE TAILS EFFECTS CATA

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PAGE 3 OF 4
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF XXIC-6 PHI CCNF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 151 1.16 1.7 C.C. 8160F23 C.C. 0 -20 0 -20 UNKNOWN

PLINT	ALPHA	BETA	CNF3	Cn3	CB3	XCFF3	YCFF3	CNF4	Cn4	CB4	XCFF4	YCFF4
139	52.70	C.01	0.0750	9.9955	C.C.303	9.9999	0.4041	0.7169	0.0378	0.2770	0.0528	0.3864

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 1 OF 4

PART A PASSAGE TAILS EFFECTS DATA

TEST PART MACH AXIS-2			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1 152 0.00 1.07			0.0	0.0	0.0	-20	0	-20	UNKNOWN		
PLINT	ALPHA	BETA	CN	CLM	CLY	CLA	CLL	CLB	CAF	XCP	
1	-5.05	0.00	-1.3351	4.6224	-0.0220	-0.0416	0.0050	0.0290	0.3653	0.4637	-3.4629
2	-5.05	0.01	-1.3522	4.6044	-0.0191	-0.0298	0.0015	0.0210	0.3602	0.4554	-3.4025
3	-5.05	0.01	-1.3202	4.6117	-0.0195	-0.0340	0.0086	0.0217	0.3636	0.4583	-3.4532
4	-5.02	0.02	-1.3190	4.6400	0.0002	-0.1223	0.0019	0.0344	0.3610	0.4734	-3.5224
5	-4.70	0.02	-1.2183	4.7220	0.0088	-0.1554	0.0096	0.0110	0.3472	0.4708	-3.8657
6	-4.54	0.01	-1.3500	5.0712	-0.0075	-0.0090	0.0101	0.7049	0.2440	0.5159	-4.2430
7	-1.10	0.01	-1.2220	5.7017	0.0201	-0.1205	0.0107	0.7193	0.1942	0.5201	-4.6658
8	0.01	0.01	-1.0000	5.9220	0.0005	-0.1013	0.0111	0.0502	0.1044	0.5058	-5.2000
9	2.37	0.01	-0.6555	5.4321	0.0185	-0.1390	0.0116	0.0587	0.1711	0.4877	-5.6627
10	4.09	0.02	-0.1667	5.1500	0.0104	-0.1397	0.0121	0.0117	0.1585	0.4532	-6.6055
11	5.66	0.02	-0.5283	4.6832	0.0755	-0.2055	0.0159	0.5576	0.1525	0.4051	-8.6651
12	7.00	0.01	-0.2683	4.1050	-0.0065	-0.1132	0.0130	0.4494	0.1542	0.3442	-14.4583
13	9.35	0.02	0.0400	3.3771	0.0375	-0.0833	0.0135	0.4301	0.1521	0.2860	83.1369
14	11.18	0.02	0.3521	2.4616	0.0807	-0.1104	0.0140	0.3730	0.1553	0.2105	6.3290
15	12.93	0.02	0.7154	1.5740	0.0045	-0.0315	0.0143	0.3130	0.1507	0.1559	2.3384
16	14.73	0.02	1.0522	1.0745	-0.0325	0.0006	0.0150	0.2632	0.1615	0.1010	1.0173
17	16.58	0.02	1.3004	0.4322	-0.0470	0.0111	0.0372	0.2109	0.1684	0.0425	0.3135
18	18.42	0.02	1.1354	-0.2112	-0.0694	0.0174	0.0519	0.1447	0.1734	-0.0242	-0.1217
19	20.25	0.00	2.1224	-0.6772	-0.2645	0.5145	0.1014	0.0747	0.1705	-0.1038	-0.4604
20	22.08	0.01	2.5267	-1.7229	-0.4375	1.0073	0.1050	0.0150	0.1005	-0.1753	-0.6819
21	23.93	0.01	2.8866	-2.4732	-0.0534	1.3413	0.1133	-0.0443	0.1652	-0.2302	-0.8563
22	25.70	0.00	3.2994	-2.9337	-0.5132	1.2135	0.0808	-0.0050	0.2027	-0.2005	-0.8952
23	27.03	0.03	3.7308	-3.3352	0.4544	-0.5571	0.1300	-0.1514	0.2050	-0.3564	-0.8540
24	27.86	0.04	3.6940	-3.3264	0.2055	-0.3022	0.1034	-0.1204	0.2004	-0.3633	-0.8987
25	27.86	0.04	3.6942	-3.3561	0.1855	-0.5715	0.1084	-0.1495	0.2031	-0.3526	-0.5085
26	27.86	0.05	3.7065	-3.3527	0.3172	-0.7440	0.1305	-0.1593	0.2008	-0.3661	-0.8925
27	26.27	0.05	3.7815	-3.3157	0.3335	-0.6810	0.1236	-0.1550	0.2007	-0.3617	-0.8767
28	26.53	0.04	3.2710	-3.2612	0.2417	-0.4623	0.1096	-0.1596	0.2146	-0.3742	-0.8462
29	26.62	0.00	3.8923	-3.2541	0.4214	-0.7760	0.1805	-0.1455	0.2170	-0.3625	-0.8463
30	29.15	0.00	3.5872	-3.2940	0.4300	-0.6874	0.1542	-0.1543	0.2202	-0.3745	-0.8263
31	29.44	0.05	4.0405	-3.1321	0.4021	-0.6083	0.1252	-0.1504	0.2248	-0.3752	-0.8247
32	29.71	0.06	4.1020	-3.2914	0.4402	-0.4403	0.1020	-0.1403	0.2272	-0.3755	-0.8024
33	29.98	0.07	4.1740	-3.3280	0.6124	-0.5430	0.1024	-0.1554	0.2305	-0.3859	-0.7973
34	30.29	0.07	4.2517	-3.3175	0.5931	-0.4403	0.1027	-0.1603	0.2310	-0.3421	-0.7840
35	30.53	0.08	4.3356	-3.3516	0.7496	-1.1759	0.1935	-0.1531	0.2416	-0.3947	-0.7799
36	30.79	0.06	4.3190	-3.3626	0.4200	-0.3730	0.1475	-0.1438	0.2550	-0.3944	-0.7785
37	31.07	0.06	4.3504	-3.4163	0.4535	-0.2161	0.1326	-0.1456	0.2650	-0.4104	-0.7781
38	31.34	0.06	4.4060	-3.4510	0.3000	0.1020	0.1030	-0.1405	0.2780	-0.4245	-0.7736
39	31.59	0.07	4.5336	-3.4352	0.4450	-0.0274	0.1175	-0.1477	0.2798	-0.4275	-0.7658
40	31.87	0.08	4.6205	-3.3747	0.6094	-0.2240	0.1546	-0.1420	0.2873	-0.4331	-0.7737
41	32.13	0.04	4.7431	-3.5273	0.6022	-0.2957	0.1483	-0.1482	0.2827	-0.4309	-0.7437
42	32.40	0.09	4.8309	-3.4953	0.7446	-0.2910	0.1030	-0.1544	0.2911	-0.4459	-0.7226
43	32.65	0.05	4.8920	-3.3550	0.6605	-0.1076	0.1052	-0.1735	0.2673	-0.4608	-0.6939
44	32.91	0.06	4.5055	-3.3000	0.6275	-0.1424	0.1060	-0.1812	0.2882	-0.4694	-0.6774
45	33.14	0.06	5.0363	-3.4346	0.6760	-0.1104	0.1120	-0.1723	0.2943	-0.4665	-0.6820
46	33.40	0.08	5.0764	-3.4115	0.5802	0.1094	0.0703	-0.1709	0.2990	-0.4698	-0.6718

PAGE 1 OF 3
 5-FEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	AXIO-6	PHI	CLNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	152	C-EC	1.1	C.C	0.10	0.0	0	-20	0	-20	UNKNOWN
PLANT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAP	XCP
47	33.66	0.08	5.1505	-3.3048	0.5157	0.3642	0.0473	-0.1877	0.2594	-0.4871	-0.6367
48	33.66	0.09	5.2176	-3.3425	0.6547	0.1042	0.0764	-0.1698	0.3096	-0.4793	-0.6407
49	34.13	0.09	5.3052	-3.3750	0.6360	0.3550	0.0814	-0.1703	0.3217	-0.4420	-0.6362
50	34.40	0.10	5.4251	-3.3486	0.7263	0.1470	0.0773	-0.1802	0.3254	-0.5056	-0.6168
51	34.03	0.11	5.5051	-3.3741	0.8710	0.1702	0.1063	-0.1607	0.3369	-0.4996	-0.6125
52	34.60	0.12	5.6015	-3.2517	1.0332	-0.2349	0.1368	-0.1702	0.3416	-0.5118	-0.5876
53	35.10	0.11	5.6522	-3.2083	0.5522	-0.3444	0.1554	-0.1765	0.3375	-0.5144	-0.5630
54	35.30	0.12	5.7134	-3.1117	1.1000	-1.0983	0.1693	-0.2030	0.3189	-0.5219	-0.5446
55	35.59	0.10	5.7638	-3.0280	1.0723	-1.5405	0.1845	-0.2356	0.2958	-0.5304	-0.5253
56	35.61	0.09	5.8365	-2.9522	1.0501	-1.9501	0.1714	-0.2400	0.2600	-0.5355	-0.5127
57	36.00	0.09	5.9250	-3.0249	1.0301	-1.7504	0.1856	-0.2396	0.2977	-0.5373	-0.5105
58	36.27	0.10	6.0113	-3.0722	1.0576	-1.4583	0.1714	-0.2355	0.3158	-0.5513	-0.5111
59	36.51	0.11	6.1288	-3.1260	1.1024	-1.2384	0.1644	-0.2115	0.3335	-0.5450	-0.5101
60	36.76	0.10	6.1500	-3.0385	1.1059	-1.3427	0.1714	-0.2203	0.3243	-0.5526	-0.4957
61	36.68	0.10	6.1552	-2.9474	1.0877	-1.4255	0.1650	-0.2515	0.3127	-0.5702	-0.4758
62	37.01	0.10	6.2467	-2.9733	1.0650	-1.2129	0.1530	-0.2492	0.3271	-0.5163	-0.4721
63	37.45	0.10	6.3401	-2.9656	1.0775	-0.9426	0.1431	-0.2273	0.3405	-0.5678	-0.4705
64	37.67	0.11	6.5110	-3.1671	1.0011	-0.2803	0.1270	-0.1727	0.3697	-0.5624	-0.4854
65	37.92	0.12	6.7354	-3.2782	1.0585	-0.1197	0.0900	-0.1621	0.4181	-0.5802	-0.4923
66	38.15	0.12	6.7735	-3.3501	1.0235	-0.3707	0.0595	-0.1621	0.4203	-0.5904	-0.4946
67	38.37	0.12	6.8663	-3.3527	1.0543	-0.5623	0.0903	-0.1636	0.4363	-0.5955	-0.4883
68	38.50	0.12	6.9501	-3.4450	1.0744	-0.7355	0.0901	-0.1940	0.4469	-0.6005	-0.4931
69	38.61	0.12	7.0363	-3.5412	1.0770	-1.3645	0.0506	-0.1617	0.4487	-0.6104	-0.4969
70	39.03	0.11	7.2421	-3.6343	0.9440	-1.4339	0.0503	-0.1603	0.4546	-0.6213	-0.5013
71	39.23	0.12	7.3524	-3.5501	1.0781	-0.7301	0.0979	-0.1727	0.4525	-0.6312	-0.4884
72	39.46	0.13	7.5437	-3.7500	1.1304	-1.1630	0.0602	-0.1706	0.4627	-0.6333	-0.4980
73	39.65	0.11	7.4462	-3.4304	1.0112	-0.6247	0.0544	-0.1742	0.4613	-0.6355	-0.4606
74	39.80	0.12	7.5010	-3.5220	1.0600	-0.9300	0.0542	-0.1610	0.4637	-0.6447	-0.4656
75	40.05	0.13	7.5627	-3.4625	1.1175	-0.6021	0.0994	-0.1797	0.4613	-0.6410	-0.4567
76	40.25	0.11	7.5422	-3.4071	0.9772	-1.1700	0.0392	-0.1988	0.4571	-0.6559	-0.4567
77	40.47	0.10	7.5428	-3.1700	1.0154	-0.4502	0.0360	-0.1865	0.4546	-0.6413	-0.4213
78	40.67	0.11	7.7731	-3.2512	1.1660	-0.3495	0.0794	-0.1903	0.4713	-0.6676	-0.4183
79	40.89	0.11	7.8324	-3.2603	1.0883	-0.6073	0.0712	-0.1896	0.4654	-0.6552	-0.4170
80	41.10	0.12	7.9680	-3.3190	1.2411	-0.4434	0.0942	-0.1815	0.4611	-0.6626	-0.4165
81	41.20	0.12	8.0141	-3.2074	1.1583	-0.5354	0.0795	-0.1794	0.4650	-0.6653	-0.4102
82	41.40	0.11	8.1761	-3.3575	1.1928	-0.6099	0.0603	-0.1740	0.4420	-0.6605	-0.4154
83	41.66	0.11	8.2733	-3.3292	1.1675	-0.7532	0.0724	-0.1809	0.4993	-0.6758	-0.4024
84	41.87	0.11	8.2254	-3.1814	1.1402	-0.5031	0.0724	-0.1945	0.4676	-0.6823	-0.3866
85	42.05	0.08	8.2600	-3.0557	0.9150	-0.4305	0.0553	-0.2561	0.4624	-0.6586	-0.3704
86	42.25	0.11	8.4904	-3.4103	1.2042	-0.7034	0.0857	-0.1918	0.4760	-0.6678	-0.4026
87	42.41	0.06	8.2682	-2.5586	0.6815	-0.2750	0.0395	-0.3169	0.4056	-0.7227	-0.3055
88	42.61	0.12	8.7708	-3.7330	1.3535	-0.5598	0.0430	-0.1049	0.5054	-0.6503	-0.4253
89	42.77	0.11	8.7267	-3.4823	1.0580	-1.3292	0.0357	-0.2024	0.4989	-0.7013	-0.3550
90	42.97	0.12	8.8763	-3.7446	1.2203	-1.3031	0.0357	-0.1647	0.5056	-0.6905	-0.4219
91	43.10	0.12	9.0023	-3.7535	1.2205	-1.6564	0.0349	-0.2105	0.4811	-0.6917	-0.4202
92	43.35	0.12	9.1000	-3.5711	1.2225	-1.7080	0.0280	-0.2100	0.5035	-0.7143	-0.4331

PAGE 1 OF 3
SHEET 3 OF 4

NAUTIA MISSILE TAILS EFFECTS DATA

TEST PART MACH RATIO-6			PHI	CONF	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	152	0.00	1.0	0.0	0.0	0	-20	0	-20	UNKNOWN	
PLINT	ALPHA	BETA	CN	CLM	CLY	CLN	CLL	CA	CAB	CAF	XCP
93	43.51	0.11	5.0400	-3.6925	1.1231	1.5450	0.0215	-0.2010	0.5104	-0.7114	-0.4085
94	43.09	0.12	5.2025	-4.0504	1.2114	2.1303	0.0052	-0.2107	0.5117	-0.7224	-0.4372
95	43.09	0.12	5.2500	-3.9325	1.2200	1.7312	0.0071	-0.2072	0.5103	-0.7175	-0.4225
96	44.07	0.12	5.3405	-3.8312	1.2150	1.7000	0.0146	-0.2179	0.5080	-0.7254	-0.4098
97	44.24	0.12	5.3407	-3.8744	1.2146	1.4114	0.0301	-0.2140	0.5155	-0.7259	-0.4146
98	44.44	0.12	5.4400	-3.9000	1.1770	1.7004	0.0146	-0.2104	0.5144	-0.7313	-0.4204
99	44.61	0.11	5.5000	-3.8543	1.1385	1.6157	0.0224	-0.2176	0.5204	-0.7320	-0.4097
100	44.70	0.11	5.5249	-3.9300	1.1575	1.6741	0.0249	-0.2140	0.5273	-0.7413	-0.4125
101	44.90	0.12	5.5585	-4.0362	1.2657	1.8004	0.0222	-0.2108	0.5255	-0.7363	-0.4205
102	45.15	0.12	5.7103	-4.3313	1.2613	2.2238	0.0070	-0.2370	0.5255	-0.7025	-0.4430
103	45.32	0.10	5.7349	-4.1242	1.0503	2.1017	0.0094	-0.2302	0.5230	-0.7398	-0.4234
104	45.45	0.11	5.8150	-4.0540	1.1577	2.2450	0.0144	-0.2434	0.5284	-0.7723	-0.4357
105	45.60	0.10	5.9030	-4.2000	1.0502	1.9314	0.0067	-0.2250	0.5303	-0.7553	-0.4247
106	45.84	0.11	5.9751	-4.2000	1.1045	1.8003	0.0301	-0.2270	0.5303	-0.7033	-0.4271
107	46.01	0.10	10.0354	-4.2900	1.1573	1.9124	0.0020	-0.2370	0.5346	-0.7722	-0.4221
108	46.19	0.10	10.0747	-4.2817	1.0542	1.9073	0.0024	-0.2300	0.5332	-0.7052	-0.4250
109	46.30	0.11	10.1720	-4.4057	1.1401	1.9504	0.0050	-0.2350	0.5338	-0.7744	-0.4335
110	46.53	0.12	10.3523	-4.5547	1.2341	2.1100	0.0144	-0.2471	0.5370	-0.7047	-0.4405
111	46.71	0.11	10.3545	-4.6350	1.1582	2.1433	0.0200	-0.2547	0.5372	-0.7519	-0.4655
112	46.81	0.09	10.3215	-4.4000	0.9107	2.3004	0.0200	-0.2040	0.5300	-0.6034	-0.4348
113	47.05	0.11	10.5200	-4.7001	1.1321	2.5247	0.0422	-0.2055	0.5362	-0.6035	-0.4465
114	47.21	0.09	10.4005	-4.5910	0.9343	2.5473	0.0420	-0.2733	0.5340	-0.6131	-0.4361
115	47.33	0.09	10.4435	-4.5450	0.8005	2.5355	0.0034	-0.2834	0.5424	-0.6228	-0.4332
116	47.57	0.10	10.7030	-4.6921	0.9205	2.5534	0.0710	-0.2937	0.5424	-0.6300	-0.4384
117	47.72	0.07	10.5527	-4.5833	0.8451	3.1554	0.1003	-0.2905	0.5392	-0.6356	-0.4327
118	47.90	0.06	10.5547	-4.4450	0.7443	3.0571	0.1154	-0.2944	0.5462	-0.6370	-0.4243
119	48.02	0.08	10.6601	-4.5144	0.8107	3.0007	0.1308	-0.2943	0.5476	-0.6418	-0.4225
120	48.23	0.07	10.7188	-4.4524	0.8120	3.0040	0.1444	-0.3071	0.5441	-0.6511	-0.4191
121	48.40	0.07	10.7445	-4.5245	0.8620	3.4713	0.1453	-0.3068	0.5385	-0.6452	-0.4215
122	48.55	0.08	10.7304	-4.3254	0.9041	3.4172	0.1004	-0.3434	0.5270	-0.6005	-0.4029
123	48.72	0.07	10.7238	-4.2205	0.9507	3.3002	0.1000	-0.3422	0.5281	-0.6703	-0.3941
124	48.90	0.05	10.6000	-4.0300	0.4300	3.2000	0.1000	-0.3407	0.5210	-0.6703	-0.3774
125	49.00	0.05	10.6422	-4.0543	0.4044	3.1001	0.1796	-0.3522	0.5127	-0.6648	-0.3752
126	49.24	0.04	10.6232	-3.8023	0.3075	3.7708	0.1779	-0.4022	0.4934	-0.6970	-0.3574
127	49.42	0.03	10.6050	-3.6670	0.3005	3.1074	0.1420	-0.3902	0.5000	-0.6568	-0.3578
128	49.57	0.01	10.5341	-3.2507	0.1581	2.2534	0.1344	-0.4320	0.4724	-0.6051	-0.3080
129	49.75	0.03	10.6000	-3.6046	0.2804	2.8753	0.1562	-0.4152	0.5071	-0.6153	-0.3329
130	49.94	0.02	10.7205	-3.2134	0.2101	2.6043	0.1025	-0.4001	0.4417	-0.6124	-0.2593
131	50.09	0.02	10.5438	-3.6023	0.2000	2.6017	0.1019	-0.4032	0.5152	-0.6154	-0.3292
132	50.20	0.02	10.5470	-3.4431	0.2375	2.6107	0.1471	-0.4104	0.5077	-0.6161	-0.3140
133	50.43	0.03	11.0000	-3.6157	0.3005	2.7759	0.1479	-0.3607	0.5194	-0.5081	-0.3452
134	50.50	0.03	11.1303	-3.8044	0.3217	2.7033	0.1475	-0.3074	0.5330	-0.6230	-0.3493
135	50.70	0.04	11.2030	-4.0040	0.4715	2.6025	0.1470	-0.3726	0.5346	-0.6122	-0.3548
136	50.95	0.00	11.5041	-4.0727	0.5007	3.0073	0.1410	-0.4132	0.5344	-0.6401	-0.4041
137	51.14	0.00	12.1201	-5.5352	0.5010	3.5144	0.0701	-0.4016	0.5801	-0.6677	-0.4568
138	51.31	0.05	12.1177	-5.3301	0.4501	3.0332	0.0700	-0.3621	0.5004	-0.6025	-0.4403

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PAAT MACH RX10-6 PMA CNCF L DELT DEL2 DEL3 DEL4 TRANSITION												
1 152 C.EC 1.7 C.C BINGF13 C.C U -20 U -20 UNKNOWN												
PCINT	ALPHA	BETA	CN	CLM	CL1	CLN	CLL	CA	CAB	CAF	XCP	
139	51.38	0.08	12.1269	-5.5070	0.5258	3.8058	-0.0335	-0.3943	0.5942	-0.5085	-0.4541	
140	51.03	0.06	12.3110	-5.6342	0.5771	3.9003	-0.1350	-0.4214	0.5943	-1.0157	-0.4550	
141	51.83	0.07	12.4357	-5.5248	0.6631	4.0504	-0.0591	-0.4232	0.5953	-1.0185	-0.4763	
142	52.00	0.10	12.6774	-6.1285	0.6742	4.3107	-0.1009	-0.4208	0.5947	-1.0215	-0.4834	
143	52.16	0.13	12.8646	-6.0485	0.5241	4.4005	-0.0327	-0.4243	0.5892	-1.0135	-0.4776	
144	52.34	0.10	12.8742	-6.0713	0.5121	4.4000	-0.0002	-0.4220	0.5920	-1.0140	-0.4790	
145	52.45	0.10	12.8220	-6.0153	0.6755	4.4255	-0.1374	-0.4376	0.5901	-1.0277	-0.4763	
146	52.64	0.11	12.8507	-5.9345	1.0015	4.1344	-0.1205	-0.4453	0.5869	-1.0342	-0.4631	
147	52.82	0.12	12.7158	-5.6587	1.2831	3.8378	-0.1557	-0.4542	0.5788	-1.0130	-0.4680	
148	53.00	0.12	12.8457	-5.5571	1.2880	3.8451	-0.1277	-0.4604	0.5824	-1.0518	-0.4665	
149	53.14	0.13	12.8148	-5.7265	1.3272	4.0531	-0.1211	-0.4484	0.5860	-1.0344	-0.4665	
150	53.31	0.12	12.8510	-5.9217	1.4071	3.4030	-0.0884	-0.4545	0.5867	-1.0462	-0.4558	
151	53.47	0.12	12.9554	-6.0525	1.3232	3.3370	-0.0516	-0.4536	0.5881	-1.0387	-0.4641	
152	53.04	0.12	13.1542	-5.5743	1.4043	2.0413	-0.0157	-0.4454	0.5828	-1.0282	-0.4542	
153	53.80	0.12	13.2377	-6.0122	1.4421	3.2150	-0.0578	-0.4737	0.5835	-1.0572	-0.4542	
154	53.93	0.10	13.1903	-6.1460	1.2245	2.9133	-0.0271	-0.4770	0.5873	-1.0646	-0.4661	
155	54.11	0.10	13.3570	-6.1459	1.3383	2.6702	0.0034	-0.4734	0.5907	-1.0641	-0.4601	
156	54.25	0.12	13.3183	-6.0789	1.4338	2.0605	0.0101	-0.4635	0.6002	-1.0637	-0.4710	
157	54.45	0.11	13.7583	-6.5944	1.3200	2.9221	0.0183	-0.4715	0.6026	-1.0742	-0.4757	
158	54.00	0.12	13.4780	-6.0042	1.4035	2.6550	0.0415	-0.4404	0.6276	-1.0761	-0.4808	
159	54.75	0.11	13.9044	-6.0035	1.3455	2.6329	0.0265	-0.4300	0.6348	-1.0848	-0.4765	
160	54.92	0.11	14.0513	-6.1094	1.3835	3.0645	0.0412	-0.4190	0.6536	-1.0725	-0.4784	
161	55.07	0.11	14.0890	-6.0641	1.4028	2.7707	0.0346	-0.4362	0.6510	-1.0873	-0.4730	
162	55.25	0.11	14.3234	-6.0137	1.4402	2.7295	0.0500	-0.4234	0.6603	-1.0838	-0.4759	
163	55.45	0.10	14.4888	-7.0020	1.3037	2.9236	0.0500	-0.4392	0.6707	-1.1100	-0.4835	
164	55.61	0.10	14.5008	-6.0058	1.3805	2.7524	0.0358	-0.4438	0.6800	-1.1095	-0.4733	
165	55.77	0.09	14.4431	-7.0215	1.2602	3.0512	0.0423	-0.4382	0.6722	-1.1085	-0.4861	
166	55.94	0.10	14.5045	-6.0075	1.3223	3.0135	0.0275	-0.4579	0.6837	-1.1217	-0.4774	
167	56.10	0.05	14.4080	-6.5515	1.2857	2.5064	0.0281	-0.4381	0.6770	-1.1131	-0.4826	
168	56.20	0.10	14.5357	-6.0751	1.4405	2.7207	0.0303	-0.4425	0.6705	-1.1190	-0.4730	
169	56.41	0.07	14.5101	-6.5305	1.0872	2.9535	0.0213	-0.4526	0.6756	-1.1282	-0.4776	
170	56.50	0.10	14.5055	-6.1585	1.3955	2.9191	0.0433	-0.4521	0.6745	-1.1267	-0.4667	
171	56.73	0.07	14.5124	-6.5185	1.0571	2.7537	0.0391	-0.4376	0.6714	-1.1091	-0.4590	
172	56.85	0.09	14.7223	-6.5707	1.2577	2.0180	0.0322	-0.4031	0.6824	-1.1455	-0.4735	
173	57.04	0.05	14.6850	-6.5827	1.2516	2.6233	0.0376	-0.4692	0.6846	-1.1536	-0.4761	
174	57.19	0.08	14.5005	-6.5771	1.1026	2.4573	0.0430	-0.4405	0.6809	-1.1294	-0.4538	
175	57.32	0.05	14.6255	-6.6252	0.8924	2.4540	0.0768	-0.4405	0.6786	-1.1151	-0.4561	
176	57.50	0.08	14.6039	-6.6052	1.2284	2.3148	0.0672	-0.4448	0.6787	-1.1235	-0.4571	
177	57.64	0.06	14.6003	-6.5572	0.5455	2.4167	0.0611	-0.4695	0.6759	-1.1458	-0.4594	
178	57.70	0.07	14.6463	-6.6045	1.0034	2.4007	0.0533	-0.4805	0.6806	-1.1690	-0.4660	
179	57.92	0.05	14.6822	-6.5010	0.5067	2.2517	0.0470	-0.4570	0.6923	-1.1493	-0.4700	
180	57.95	0.04	14.7484	-6.6907	0.6874	2.5113	0.0490	-0.4633	0.6704	-1.1336	-0.4672	

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	ALPHA	BETA	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF
7	152	0.00	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POINT	ALPHA	BETA	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF	CONF
1	-5.69	-0.04	-0.0051	0.0018	0.0122	-0.3531	-2.4588	-0.6639	-0.0289	-0.2761	0.0436	0.4155	
2	-5.69	0.01	0.0005	0.0001	0.0102	0.4403	17.9401	-0.6581	-0.0288	-0.2761	0.0436	0.4144	
3	-5.69	0.01	0.0005	0.0001	0.0157	-9.0040	-52.1064	-0.6639	-0.0287	-0.2765	0.0433	0.4165	
4	-5.62	0.02	-0.0004	0.0022	0.0144	-1.5723	-10.2470	-0.6640	-0.0280	-0.2761	0.0422	0.4155	
5	-4.70	0.02	-0.0002	0.0023	0.0132	-0.4021	-5.0540	-0.6647	-0.0286	-0.2800	0.0428	0.4182	
6	-4.72	0.01	0.0011	0.0030	0.0142	4.5479	13.4404	-0.1744	-0.0266	-0.3219	0.0347	0.4152	
7	-1.18	0.01	0.0045	0.0045	0.0135	0.5161	1.4573	-0.7537	-0.0264	-0.3145	0.0351	0.4173	
8	0.61	0.01	0.0047	0.0048	0.0123	0.4451	1.2018	-0.7118	-0.0295	-0.3034	0.0415	0.4263	
9	2.37	0.01	0.0150	0.0046	0.0131	0.3202	0.8894	-0.6636	-0.0337	-0.2860	0.0597	0.4308	
10	4.07	0.02	0.0140	0.0045	0.0132	0.2524	0.7333	-0.6617	-0.0401	-0.2752	0.0799	0.4574	
11	5.60	0.02	0.0172	0.0042	0.0132	0.2304	0.7385	-0.5539	-0.0484	-0.2507	0.0521	0.4723	
12	7.00	0.01	0.0175	0.0041	0.0131	0.2344	0.6544	-0.4403	-0.0436	-0.2131	0.0585	0.4836	
13	9.30	0.02	0.0157	0.0045	0.0175	0.2068	1.0990	-0.3265	-0.0351	-0.1670	0.1074	0.5114	
14	11.18	0.02	0.0163	0.0042	0.0175	0.2240	0.9750	-0.2020	-0.0225	-0.1067	0.1116	0.5284	
15	12.43	0.02	0.0164	0.0034	0.0207	0.2074	1.2001	-0.0936	-0.0677	-0.0546	0.0851	0.6030	
16	14.73	0.02	0.0111	0.0021	0.0267	0.1893	1.8018	-0.0001	0.0131	-0.0140	1.010540	1.674700	
17	16.50	0.02	0.0044	0.0045	0.0304	0.1214	0.4410	0.0701	0.0252	0.0165	0.3602	0.2637	
18	18.42	0.02	0.0001	0.0025	0.0414	0.0624	1.0307	0.1082	0.0435	0.0540	0.2585	0.3547	
19	20.25	0.00	0.0000	0.0003	0.0012	0.0051	1.0444	0.2486	0.0531	0.0454	0.2376	0.3857	
20	22.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
21	23.43	0.01	0.0040	0.0010	0.0130	0.1158	0.1376	0.0000	0.0000	0.0000	0.0000	0.0000	
22	25.70	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
23	27.63	0.05	0.2760	0.0353	0.1362	0.1268	0.4859	0.6154	0.0588	0.2546	0.0555	0.4138	
24	27.60	0.04	0.1010	0.0265	0.1035	0.1134	0.5721	0.6044	0.0647	0.2502	0.1070	0.4140	
25	27.60	0.04	0.2447	0.0318	0.1173	0.1253	0.4792	0.6110	0.0598	0.2512	0.0575	0.4112	
26	27.60	0.05	0.2052	0.0332	0.1023	0.1235	0.4915	0.6101	0.0555	0.2502	0.0501	0.4062	
27	28.27	0.05	0.2550	0.0310	0.1305	0.1217	0.5343	0.6202	0.0572	0.2540	0.0522	0.4098	
28	28.53	0.04	0.1552	0.0245	0.1176	0.1431	0.5403	0.6127	0.0502	0.2501	0.0517	0.4083	
29	28.62	0.06	0.2553	0.0348	0.1551	0.1154	0.5345	0.6075	0.0435	0.2444	0.0497	0.4021	
30	29.15	0.06	0.2401	0.0350	0.1523	0.1265	0.5251	0.6078	0.0471	0.2424	0.0474	0.3988	
31	29.44	0.05	0.2465	0.0364	0.1405	0.1225	0.5052	0.6121	0.0472	0.2462	0.0471	0.4023	
32	29.71	0.06	0.2405	0.0355	0.1402	0.1160	0.5409	0.6094	0.0452	0.2444	0.0471	0.4011	
33	29.98	0.07	0.3272	0.0362	0.1728	0.1200	0.5281	0.6007	0.0430	0.2426	0.0408	0.3955	
34	30.25	0.07	0.3355	0.0401	0.1725	0.1198	0.5081	0.6083	0.0417	0.2439	0.0405	0.4010	
35	30.53	0.08	0.3745	0.0445	0.1552	0.1197	0.5206	0.6127	0.0413	0.2461	0.0473	0.4017	
36	30.79	0.08	0.3355	0.0355	0.1757	0.1137	0.5373	0.6120	0.0424	0.2401	0.0451	0.4045	
37	31.07	0.06	0.2437	0.0295	0.1452	0.1212	0.6122	0.6127	0.0424	0.2485	0.0400	0.4056	
38	31.34	0.06	0.1505	0.0243	0.1275	0.1242	0.6510	0.6113	0.0419	0.2488	0.0405	0.4071	
39	31.59	0.07	0.2250	0.0273	0.1400	0.1215	0.6221	0.6115	0.0400	0.2468	0.0453	0.4065	
40	31.87	0.08	0.2815	0.0245	0.1566	0.1150	0.5409	0.6233	0.0432	0.2530	0.0404	0.4073	
41	32.13	0.05	0.2472	0.0300	0.1715	0.1051	0.5764	0.6190	0.0386	0.2523	0.0423	0.4077	
42	32.40	0.04	0.2700	0.0301	0.1634	0.1089	0.5910	0.6200	0.0379	0.2524	0.0410	0.4088	
43	32.65	0.05	0.1558	0.0239	0.1218	0.1150	0.6087	0.6236	0.0371	0.2541	0.0454	0.4076	
44	32.91	0.08	0.2042	0.0203	0.1150	0.1240	0.5827	0.6268	0.0363	0.2550	0.0455	0.4070	
45	33.14	0.05	0.1652	0.0244	0.1094	0.1292	0.5786	0.6255	0.0354	0.2553	0.0455	0.4062	
46	33.40	0.08	0.1642	0.0240	0.0933	0.1450	0.5859	0.6205	0.0353	0.2563	0.0451	0.4075	

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PACH RAIC-6				PHI CCNF		C		CEC1		DEL2		DEL3		DEL4		TRANSITION	
1 152 C-80 1.7				C-6		C-6		C-6		-20		C-6		-20		UNKNOWN	
FLINT	ALPHA	BETA	CNF1	CM1	Col	XCPF1	YCPF1	CNF2	CM2	Cb2	XCPF2	YCPF2					
47	33.88	0.08	0.1103	0.0151	0.0712	0.1734	0.6454	0.6255	0.0350	0.2568	0.0559	0.4102					
48	33.88	0.08	0.1103	0.0151	0.0712	0.1734	0.6454	0.6255	0.0350	0.2568	0.0559	0.4102					
49	34.13	0.05	0.1440	0.0174	0.0658	0.1210	0.6233	0.6342	0.0350	0.2614	0.0551	0.4121					
50	34.40	0.10	0.1438	0.0192	0.0900	0.1337	0.6255	0.6371	0.0348	0.2632	0.0545	0.4131					
51	34.63	0.11	0.1765	0.0212	0.1111	0.1200	0.6279	0.6284	0.0339	0.2555	0.0540	0.4125					
52	34.88	0.12	0.2575	0.0311	0.1370	0.1200	0.6342	0.6344	0.0332	0.2606	0.0524	0.4101					
53	35.10	0.11	0.2788	0.0246	0.1455	0.1063	0.5364	0.6345	0.0322	0.2558	0.0515	0.4054					
54	35.30	0.12	0.3171	0.0462	0.1525	0.1200	0.4823	0.6405	0.0314	0.2629	0.0491	0.4104					
55	35.59	0.10	0.3321	0.0457	0.1512	0.1375	0.4553	0.6435	0.0310	0.2634	0.0482	0.4093					
56	35.81	0.05	0.3740	0.0514	0.1600	0.1371	0.4291	0.6420	0.0301	0.2712	0.0455	0.4093					
57	36.06	0.05	0.3537	0.0400	0.1563	0.1358	0.4420	0.6596	0.0303	0.2719	0.0460	0.4122					
58	36.27	0.10	0.3421	0.0451	0.1450	0.1444	0.4846	0.6507	0.0314	0.2659	0.0483	0.4066					
59	36.51	0.11	0.3185	0.0430	0.1558	0.1349	0.4853	0.6536	0.0317	0.2672	0.0486	0.4088					
60	36.76	0.10	0.3123	0.0396	0.1532	0.1207	0.4907	0.6586	0.0311	0.2670	0.0474	0.4065					
61	36.98	0.10	0.3055	0.0440	0.1350	0.1442	0.4557	0.6745	0.0301	0.2751	0.0447	0.4075					
62	37.21	0.10	0.3135	0.0420	0.1457	0.1364	0.4546	0.6769	0.0300	0.2769	0.0443	0.4079					
63	37.45	0.20	0.2817	0.0337	0.1520	0.1265	0.5045	0.6700	0.0310	0.2725	0.0463	0.4073					
64	37.67	0.11	0.2885	0.0400	0.1306	0.0771	0.5943	0.6635	0.0318	0.2702	0.0460	0.4070					
65	37.92	0.12	0.1783	0.0004	0.1173	0.0022	0.6575	0.6711	0.0316	0.2735	0.0475	0.4078					
66	38.15	0.12	0.1825	0.0070	0.1253	0.0047	0.6603	0.6605	0.0314	0.2800	0.0456	0.4065					
67	38.37	0.12	0.1702	0.0140	0.1216	0.0024	0.7146	0.6675	0.0314	0.2783	0.0457	0.4048					
68	38.58	0.12	0.1524	0.0163	0.1314	0.0044	0.6832	0.7052	0.0306	0.2696	0.0437	0.4035					
69	38.81	0.12	0.1435	0.0300	0.0973	0.2425	0.7852	0.7127	0.0306	0.2671	0.0430	0.4028					
70	39.03	0.11	0.1510	0.0252	0.1067	0.2125	0.7756	0.7111	0.0306	0.2666	0.0430	0.4025					
71	39.23	0.12	0.2011	0.0250	0.1374	0.1265	0.6831	0.7395	0.0295	0.2562	0.0405	0.4033					
72	39.46	0.13	0.1818	0.0250	0.1415	0.1410	0.6700	0.7531	0.0294	0.2616	0.0451	0.4008					
73	39.65	0.11	0.2082	0.0050	0.1288	0.0275	0.6178	0.7322	0.0303	0.2527	0.0414	0.3998					
74	39.86	0.12	0.1803	0.0155	0.1185	0.0603	0.6395	0.7456	0.0295	0.2586	0.0358	0.4005					
75	40.05	0.13	0.2156	0.0100	0.1366	0.0463	0.6215	0.7591	0.0292	0.2637	0.0385	0.4001					
76	40.25	0.11	0.1705	0.0153	0.1110	0.0677	0.6245	0.7606	0.0294	0.2642	0.0387	0.4000					
77	40.47	0.10	0.1726	0.0001	0.1183	0.0290	0.6447	0.7442	0.0295	0.2573	0.0402	0.3995					
78	40.67	0.11	0.1800	0.0041	0.1175	0.0216	0.6250	0.7711	0.0292	0.2681	0.0375	0.3995					
79	40.84	0.11	0.1855	0.0130	0.1235	0.0666	0.6305	0.7622	0.0295	0.2638	0.0388	0.3988					
80	41.10	0.12	0.2405	0.0140	0.1474	0.0502	0.6118	0.7675	0.0291	0.2615	0.0374	0.3993					
81	41.28	0.12	0.2140	0.0161	0.1345	0.0547	0.6283	0.7617	0.0286	0.2608	0.0366	0.3976					
82	41.48	0.11	0.2307	0.0155	0.1421	0.0604	0.6130	0.7900	0.0282	0.2617	0.0354	0.3981					
83	41.68	0.11	0.1577	0.0155	0.1285	0.1008	0.6400	0.7965	0.0288	0.2614	0.0382	0.3972					
84	41.87	0.11	0.1532	0.0167	0.1235	0.0667	0.6393	0.7904	0.0286	0.2612	0.0362	0.3975					
85	42.05	0.08	0.1170	0.0081	0.0708	0.0522	0.6565	0.8023	0.0275	0.2613	0.0343	0.3954					
86	42.25	0.11	0.1054	0.0250	0.1205	0.1026	0.7134	0.8068	0.0281	0.2615	0.0349	0.3980					
87	42.41	0.08	0.0830	0.0055	0.0607	0.0712	0.5627	0.8041	0.0265	0.2618	0.0335	0.3940					
88	42.61	0.12	0.1877	0.0255	0.1240	0.1301	0.6608	0.8051	0.0266	0.2609	0.0315	0.3982					
89	42.77	0.11	0.1514	0.0257	0.1042	0.1000	0.6882	0.8217	0.0274	0.2549	0.0334	0.3954					
90	42.97	0.12	0.1844	0.0270	0.1146	0.1101	0.6967	0.8275	0.0266	0.2607	0.0324	0.3945					
91	43.16	0.12	0.1228	0.0313	0.0562	0.2552	0.7833	0.8244	0.0271	0.2605	0.0329	0.3981					
92	43.35	0.12	0.1115	0.0250	0.0602	0.2667	0.7676	0.8400	0.0265	0.2618	0.0316	0.3946					

PAGE 2 OF 3
SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART		MACH		RATIO		PHI	CNLF	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		152		0.00		0.00	0.00	0.00	0.00	0.00	0.00	UNKNOWN
PLINT	ALPHA	BETA	CNF1	CH1	COL	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
93	45.51	0.11	0.0731	-0.0324	0.0054	-0.4441	0.9498	0.6365	0.0263	0.3295	0.0315	0.3540
94	45.69	0.12	0.0663	-0.0350	0.0057	-0.5350	1.0517	0.8379	0.0267	0.3291	0.0315	0.3528
95	45.85	0.12	0.0755	-0.0321	0.0072	-0.4237	0.9913	0.8468	0.0260	0.3328	0.0307	0.3930
96	46.07	0.12	0.0623	-0.0318	0.0070	-0.3871	0.9434	0.8571	0.0251	0.3381	0.0293	0.3545
97	46.24	0.12	0.0680	-0.0321	0.0092	-0.3201	0.9099	0.8435	0.0255	0.3371	0.0303	0.3523
98	46.44	0.12	0.0750	-0.0324	0.0101	-0.4067	0.9617	0.8618	0.0247	0.3383	0.0287	0.3520
99	46.61	0.11	0.1000	-0.0250	0.0088	-0.2547	0.8824	0.8587	0.0245	0.3370	0.0250	0.3524
100	46.70	0.11	0.0664	-0.0315	0.0103	-0.4501	1.1002	0.8558	0.0247	0.3356	0.0289	0.3521
101	46.90	0.12	0.0732	-0.0312	0.0071	-0.4270	1.0205	0.8558	0.0244	0.3356	0.0286	0.3521
102	45.15	0.12	0.0650	-0.0333	0.0113	-0.3807	1.2093	0.8705	0.0239	0.3451	0.0275	0.3542
103	45.32	0.10	0.0404	-0.0335	0.0045	-0.7310	1.3907	0.8691	0.0236	0.3407	0.0272	0.3920
104	45.44	0.11	0.0406	-0.0377	0.0050	-0.9208	1.6475	0.8709	0.0234	0.3421	0.0265	0.3528
105	45.66	0.10	0.0517	-0.0320	0.0067	-0.6386	1.2584	0.8754	0.0232	0.3428	0.0225	0.3516
106	45.84	0.11	0.0609	-0.0296	0.0072	-0.4433	1.0798	0.8843	0.0220	0.3466	0.0249	0.3517
107	46.01	0.10	0.0622	-0.0271	0.0075	-0.3303	0.9409	0.8813	0.0227	0.3455	0.0258	0.3521
108	46.19	0.10	0.0573	-0.0201	0.0077	-0.4945	1.1295	0.8873	0.0219	0.3474	0.0247	0.3515
109	46.36	0.11	0.0448	-0.0312	0.0065	-0.6508	1.3055	0.8899	0.0220	0.3461	0.0246	0.3507
110	46.53	0.12	0.0600	-0.0321	0.0090	-1.2553	1.9130	0.9052	0.0213	0.3549	0.0236	0.3920
111	46.71	0.11	0.0195	-0.0331	0.0050	-2.2690	3.1410	0.9026	0.0213	0.3542	0.0238	0.3524
112	46.87	0.09	-0.0300	-0.0412	0.0200	1.0821	-0.7300	0.8943	0.0214	0.3492	0.0240	0.3514
113	47.05	0.11	-0.0300	-0.0411	0.0245	1.0573	-0.8309	0.9041	0.0212	0.3543	0.0235	0.3518
114	47.21	0.09	-0.0329	-0.0435	0.0150	0.8009	-0.3730	0.9057	0.0205	0.3555	0.0227	0.3525
115	47.38	0.05	-0.0643	-0.0402	0.0045	0.5478	-0.0536	0.9101	0.0203	0.3570	0.0223	0.3522
116	47.57	0.10	-0.1155	-0.0307	0.0019	0.9490	0.1300	0.9147	0.0194	0.3570	0.0218	0.3565
117	47.72	0.07	-0.1250	-0.0342	-0.0400	0.2920	0.2506	0.9176	0.0201	0.3558	0.0219	0.3521
118	47.90	0.08	-0.1073	-0.0352	-0.0454	0.2447	0.2450	0.9176	0.0201	0.3558	0.0219	0.3521
119	48.05	0.08	-0.2314	-0.0365	-0.0607	0.2458	0.2681	0.9132	0.0202	0.3571	0.0222	0.3510
120	48.23	0.07	-0.2407	-0.0377	-0.0701	0.2338	0.3005	0.9210	0.0195	0.3602	0.0212	0.3511
121	48.40	0.07	-0.2490	-0.0361	-0.0782	0.2332	0.3141	0.9225	0.0199	0.3605	0.0216	0.3505
122	48.55	0.08	-0.2057	-0.0301	-0.1042	0.2033	0.3049	0.9352	0.0186	0.3751	0.0195	0.3527
123	48.72	0.07	-0.2702	-0.0350	-0.1045	0.1991	0.3785	0.9435	0.0185	0.3669	0.0196	0.3510
124	48.90	0.05	-0.2775	-0.0371	-0.1040	0.2057	0.3745	0.9475	0.0182	0.3708	0.0192	0.3512
125	49.00	0.05	-0.2834	-0.0356	-0.1058	0.1961	0.3877	0.9464	0.0185	0.3707	0.0196	0.3517
126	49.24	0.04	-0.2553	-0.0305	-0.1020	0.2071	0.4027	0.9474	0.0188	0.3830	0.0173	0.3529
127	49.42	0.03	-0.2295	-0.0310	-0.0852	0.2217	0.3708	0.9652	0.0174	0.3761	0.0181	0.3857
128	49.57	0.01	-0.2140	-0.0453	-0.0850	0.2105	0.4454	0.9691	0.0171	0.3786	0.0177	0.3822
129	49.75	0.03	-0.2541	-0.0310	-0.1042	0.2008	0.4101	0.9697	0.0184	0.3792	0.0169	0.3910
130	49.92	0.02	-0.2477	-0.0405	-0.1055	0.1973	0.4438	0.9692	0.0170	0.3789	0.0176	0.3905
131	50.09	0.02	-0.2310	-0.0475	-0.1083	0.2020	0.4571	0.9762	0.0165	0.3811	0.0170	0.3912
132	50.20	0.02	-0.2473	-0.0475	-0.1122	0.1935	0.4535	0.9757	0.0161	0.3820	0.0165	0.3915
133	50.43	0.03	-0.2375	-0.0400	-0.1050	0.2020	0.4447	0.9774	0.0158	0.3800	0.0162	0.3887
134	50.50	0.03	-0.2371	-0.0475	-0.1075	0.2014	0.4535	0.9825	0.0161	0.3735	0.0168	0.3881
135	50.70	0.04	-0.2192	-0.0400	-0.1000	0.2188	0.4562	0.9865	0.0148	0.3821	0.0150	0.3873
136	50.95	0.06	-0.2002	-0.0405	-0.0815	0.2347	0.4536	1.0004	0.0143	0.3823	0.0142	0.3890
137	51.14	0.00	-0.1524	-0.0307	-0.0391	0.2519	0.2950	1.0531	0.0138	0.4096	0.0131	0.3885
138	51.31	0.05	-0.1224	-0.0372	-0.0345	0.2539	0.2732	1.0384	0.0144	0.3507	0.0135	0.3840

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

POINT	TEST PART MACH RXIC-E			PHI CONF			DEL1 DEL2 DEL3			DEL4 TRANSITION		
	7	152	C.O.C 1.7	U.O BIRCP1A	C.O.C	U	-20	0	-20	UNKNOWN		
	ALPHA	BETA	CNF1	Cnf1	Cnf1	XCPF1	YLF1	Cnf2	Cnf2	Cnf2	XCPF2	YCPF2
139	51.48	0.06	-0.1335	-0.0358	-0.0392	0.2963	0.2933	1.0634	0.0132	0.4075	0.0124	0.3832
140	51.65	0.06	-0.1015	-0.0432	-0.0354	0.2665	0.3423	1.0665	0.0124	0.4076	0.0121	0.3822
141	51.83	0.07	-0.1232	-0.0385	-0.0352	0.3155	0.2860	1.0993	0.0117	0.4158	0.0107	0.3815
142	52.00	0.10	-0.1501	-0.0420	-0.0326	0.2755	0.3505	1.0994	0.0113	0.4150	0.0103	0.3811
143	52.16	0.10	-0.1632	-0.0451	-0.0345	0.2761	0.3364	1.1039	0.0108	0.4204	0.0096	0.3808
144	52.34	0.10	-0.1434	-0.0442	-0.0433	0.3079	0.3017	1.1049	0.0102	0.4231	0.0092	0.3812
145	52.45	0.10	-0.1747	-0.0483	-0.0354	0.2764	0.3403	1.0995	0.0103	0.4181	0.0094	0.3803
146	52.64	0.11	-0.1684	-0.0472	-0.0358	0.2504	0.3705	1.0900	0.0097	0.4111	0.0089	0.3771
147	52.82	0.12	-0.1515	-0.0388	-0.0348	0.2557	0.4274	1.0532	0.0115	0.3561	0.0109	0.3781
148	53.00	0.12	-0.1456	-0.0366	-0.0320	0.2577	0.4140	1.0806	0.0099	0.4098	0.0091	0.3771
149	53.14	0.13	-0.1306	-0.0363	-0.0328	0.2008	0.4588	1.0402	0.0114	0.3504	0.0110	0.3753
150	53.31	0.12	-0.1036	-0.0220	-0.0342	0.2181	0.5224	1.0438	0.0109	0.3500	0.0105	0.3736
151	53.47	0.12	-0.09475	-0.0161	-0.0335	0.2136	0.7064	1.0605	0.0099	0.3557	0.0093	0.3732
152	53.64	0.12	-0.0712	-0.0031	-0.0186	0.1603	1.0307	1.0485	0.0103	0.3899	0.0098	0.3718
153	53.80	0.12	-0.0306	-0.0075	-0.0275	0.2367	0.8953	1.0414	0.0100	0.3853	0.0096	0.3738
154	53.95	0.10	-0.0158	-0.0030	-0.0154	0.1500	1.2064	1.0473	0.0096	0.3520	0.0094	0.3750
155	54.11	0.10	0.0053	0.0006	-0.0003	0.1133	-1.1925	1.0587	0.0097	0.3433	0.0092	0.3715
156	54.26	0.12	-0.0177	-0.0013	-0.0172	0.0735	0.9092	1.0675	0.0101	0.3588	0.0095	0.3734
157	54.44	0.11	-0.0071	-0.0001	-0.0072	-0.0141	1.0173	1.0420	0.0106	0.3872	0.0102	0.3716
158	54.60	0.12	-0.0001	0.0001	-0.0006	-31.0165	0.0192	1.0401	0.0103	0.3883	0.0098	0.3705
159	54.75	0.11	-0.0232	-0.0004	-0.0005	0.0173	0.4281	1.0403	0.0112	0.3875	0.0108	0.3725
160	54.92	0.11	-0.0303	-0.0010	-0.0144	0.0270	0.3809	1.0323	0.0113	0.3852	0.0110	0.3731
161	55.07	0.11	-0.0162	0.0010	-0.0030	-0.0018	0.1556	1.0365	0.0111	0.3859	0.0107	0.3721
162	55.23	0.11	-0.0003	0.0003	-0.0007	-21.0012	-22.0000	1.0314	0.0110	0.3828	0.0107	0.3721
163	55.45	0.10	-0.0182	-0.0044	-0.0044	-0.2717	0.2725	1.0435	0.0104	0.3865	0.0100	0.3707
164	55.61	0.10	-0.0113	0.0026	-0.0002	-0.2302	-0.0170	1.0344	0.0102	0.3855	0.0095	0.3726
165	55.77	0.09	-0.0240	0.0025	-0.0066	-0.1205	0.2755	1.0505	0.0093	0.3505	0.0089	0.3721
166	55.94	0.10	-0.0405	-0.0036	-0.0126	0.0009	0.3090	1.0507	0.0095	0.3878	0.0091	0.3691
167	56.10	0.09	-0.0216	0.0007	-0.0046	-0.0327	0.2156	1.0610	0.0093	0.3935	0.0088	0.3713
168	56.26	0.10	-0.0140	0.0016	-0.0003	-0.1143	-0.0225	1.0611	0.0087	0.3531	0.0082	0.3705
169	56.41	0.07	-0.0267	-0.0010	-0.0051	0.0375	0.1716	1.0709	0.0083	0.3586	0.0078	0.3722
170	56.56	0.10	-0.0370	-0.0027	-0.0091	0.0730	0.2467	1.0330	0.0087	0.3504	0.0083	0.3706
171	56.73	0.07	-0.0025	0.0040	-0.0142	-1.3800	-5.0160	1.0418	0.0092	0.3876	0.0088	0.3720
172	56.89	0.09	-0.0022	0.0034	0.0110	-1.3903	-5.0160	1.0614	0.0085	0.3546	0.0080	0.3718
173	57.04	0.09	-0.0125	0.0021	0.0068	-0.2461	-0.5457	1.0735	0.0076	0.3977	0.0071	0.3705
174	57.19	0.08	-0.0016	0.0047	0.0098	-0.0167	-1.2072	1.0594	0.0082	0.3914	0.0078	0.3695
175	57.32	0.09	-0.0023	0.0062	0.0179	-2.6571	-7.7539	1.0501	0.0089	0.3501	0.0085	0.3713
176	57.50	0.08	0.0124	0.0074	0.0202	0.5571	1.0261	1.0543	0.0078	0.3921	0.0074	0.3715
177	57.64	0.06	0.0107	0.0078	0.0217	0.7254	2.0251	1.0542	0.0081	0.3925	0.0077	0.3723
178	57.78	0.07	-0.0075	0.0035	0.0094	-0.4034	-1.2373	1.0306	0.0078	0.3548	0.0073	0.3705
179	57.92	0.05	-0.0112	0.0045	0.0065	-0.4377	-0.6180	1.0671	0.0072	0.3553	0.0068	0.3705
180	57.95	0.04	-0.0126	0.0048	0.0086	-0.3752	-0.6270	1.0634	0.0078	0.3565	0.0073	0.3725

PAGE 3 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST POINT NAME		RAIO-6	PHO	CENF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		2000 1.7	0.0000	0.0000	0.0000	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	alpha	CN1	CM1	CB1	ACPF1	YCPF1	CN4	CM4	ACPF4	YCPF4
1	-5.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2	-5.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3	-5.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4	-5.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
5	-4.70	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
6	-2.94	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7	-1.15	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
8	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
9	2.07	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10	4.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	5.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	7.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	9.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
14	11.10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
15	12.50	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
16	14.70	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
17	16.50	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
18	18.42	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
19	20.20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	22.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21	23.50	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	25.70	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
23	27.40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	28.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	27.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
26	27.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
27	28.27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
28	28.50	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
29	28.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
30	25.10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
31	25.40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
32	29.70	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
33	29.90	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
34	30.20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
35	30.50	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
36	30.70	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
37	31.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
38	31.30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
39	31.50	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
40	31.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
41	32.10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
42	32.40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
43	32.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
44	32.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
45	33.10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
46	33.40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 152 0.00 1.7				0.0	0.0000	0.0	0	-20	0	-20	UNKNOWN	
PCINT	ALPHA	BETA	CNF3	CH3	CG3	ALPF3	YLPF3	CNF4	CH4	CB4	ACPF4	YCPF4
47	33.86	0.08	0.0342	0.0000	0.0000	0.0000	0.1995	0.0597	0.0355	0.2740	0.0593	0.4584
48	33.88	0.09	0.0342	0.0000	0.0000	0.0000	0.2016	0.0561	0.0355	0.2732	0.0601	0.4583
49	34.13	0.09	0.0354	0.0000	0.0000	0.0000	0.2485	0.0543	0.0364	0.2736	0.0612	0.4604
50	34.40	0.10	0.0355	0.0000	0.0000	0.0000	0.2035	0.0605	0.0360	0.2782	0.0554	0.4596
51	34.63	0.11	0.0361	0.0000	0.0000	0.0000	0.2501	0.0607	0.0362	0.2769	0.0602	0.4610
52	34.88	0.12	0.0368	0.0000	0.0000	0.0000	0.2455	0.0634	0.0358	0.2769	0.0592	0.4619
53	35.10	0.11	0.0355	0.0000	0.0000	0.0000	0.2261	0.0596	0.0363	0.2767	0.0607	0.4630
54	35.36	0.12	0.0360	0.0000	0.0000	0.0000	0.2246	0.0616	0.0355	0.2845	0.0605	0.4614
55	35.59	0.10	0.0363	0.0000	0.0000	0.0000	0.1938	0.0629	0.0353	0.2873	0.0553	0.4590
56	35.81	0.09	0.0368	0.0000	0.0000	0.0000	0.2064	0.0624	0.0356	0.2861	0.0570	0.4617
57	36.06	0.09	0.0368	0.0000	0.0000	0.0000	0.2276	0.0630	0.0353	0.2903	0.0555	0.4608
58	36.27	0.10	0.0363	0.0000	0.0000	0.0000	0.2226	0.0607	0.0345	0.2920	0.0547	0.4595
59	36.51	0.11	0.0363	0.0000	0.0000	0.0000	0.2795	0.0630	0.0353	0.2907	0.0555	0.4612
60	36.76	0.10	0.0358	0.0000	0.0000	0.0000	0.3108	0.0602	0.0352	0.2937	0.0551	0.4602
61	36.98	0.10	0.0358	0.0000	0.0000	0.0000	0.2946	0.0649	0.0341	0.2983	0.0527	0.4605
62	37.21	0.10	0.0358	0.0000	0.0000	0.0000	0.3096	0.0642	0.0348	0.2984	0.0535	0.4597
63	37.45	0.10	0.0368	0.0000	0.0000	0.0000	0.2901	0.0629	0.0345	0.2962	0.0542	0.4608
64	37.67	0.11	0.0363	0.0000	0.0000	0.0000	0.3275	0.0601	0.0365	0.2916	0.0580	0.4643
65	37.92	0.12	0.0363	0.0000	0.0000	0.0000	0.3249	0.0629	0.0342	0.2937	0.0591	0.4685
66	38.15	0.12	0.0358	0.0000	0.0000	0.0000	0.3460	0.0616	0.0378	0.2902	0.0609	0.4684
67	38.37	0.12	0.0327	0.0000	0.0000	0.0000	0.3528	0.0613	0.0362	0.2893	0.0615	0.4694
68	38.58	0.12	0.0327	0.0000	0.0000	0.0000	0.3526	0.0615	0.0382	0.2896	0.0618	0.4693
69	38.81	0.12	0.0327	0.0000	0.0000	0.0000	0.3046	0.0617	0.0389	0.2882	0.0636	0.4715
70	39.03	0.11	0.0327	0.0000	0.0000	0.0000	0.3000	0.0625	0.0389	0.2939	0.0622	0.4706
71	39.23	0.12	0.0327	0.0000	0.0000	0.0000	0.3067	0.0616	0.0393	0.2893	0.0637	0.4693
72	39.46	0.13	0.0311	0.0000	0.0000	0.0000	0.3368	0.0616	0.0393	0.2922	0.0634	0.4718
73	39.65	0.11	0.0365	0.0000	0.0000	0.0000	0.3581	0.0517	0.0373	0.3040	0.0572	0.4685
74	39.88	0.12	0.0365	0.0000	0.0000	0.0000	0.3732	0.0619	0.0383	0.2990	0.0596	0.4659
75	40.05	0.13	0.0311	0.0000	0.0000	0.0000	0.3539	0.0632	0.0380	0.2974	0.0598	0.4696
76	40.25	0.11	0.0327	0.0000	0.0000	0.0000	0.3000	0.0637	0.0378	0.3017	0.0567	0.4688
77	40.47	0.10	0.0327	0.0000	0.0000	0.0000	0.3044	0.0616	0.0376	0.3032	0.0573	0.4654
78	40.67	0.11	0.0327	0.0000	0.0000	0.0000	0.3075	0.0607	0.0370	0.3115	0.0551	0.4644
79	40.89	0.11	0.0363	0.0000	0.0000	0.0000	0.4027	0.0581	0.0376	0.3058	0.0571	0.4646
80	41.10	0.12	0.0361	0.0000	0.0000	0.0000	0.4259	0.0637	0.0386	0.3009	0.0595	0.4675
81	41.28	0.12	0.0363	0.0000	0.0000	0.0000	0.3773	0.0644	0.0387	0.3003	0.0602	0.4675
82	41.46	0.11	0.0446	0.0000	0.0000	0.0000	0.4006	0.0391	0.0392	0.2987	0.0613	0.4674
83	41.68	0.11	0.0478	0.0000	0.0000	0.0000	0.3878	0.0613	0.0323	0.3071	0.0578	0.4643
84	41.87	0.11	0.0461	0.0000	0.0000	0.0000	0.3035	0.0608	0.0379	0.3062	0.0575	0.4647
85	42.05	0.08	0.0420	0.0000	0.0000	0.0000	0.3798	0.0710	0.0340	0.3238	0.0476	0.4583
86	42.25	0.11	0.0434	0.0000	0.0000	0.0000	0.3866	0.0605	0.0361	0.3070	0.0571	0.4605
87	42.41	0.06	0.0351	0.0000	0.0000	0.0000	0.4230	0.0703	0.0312	0.3478	0.0618	0.4596
88	42.61	0.12	0.0564	0.0000	0.0000	0.0000	0.3456	0.0622	0.0380	0.3063	0.0573	0.4625
89	42.77	0.11	0.0473	0.0000	0.0000	0.0000	0.4115	0.0678	0.0373	0.3118	0.0549	0.4595
90	42.97	0.12	0.0461	0.0000	0.0000	0.0000	0.3443	0.0671	0.0376	0.3067	0.0563	0.4557
91	43.16	0.12	0.0445	0.0000	0.0000	0.0000	0.3923	0.0684	0.0371	0.3144	0.0541	0.4593
92	43.35	0.12	0.0555	0.0000	0.0000	0.0000	0.3639	0.0613	0.0370	0.3119	0.0542	0.4578

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

PLANT	TEST PART MACH AXIS-6		PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
	1	152 0.00 1.7				0	-20	0	-20	UNKNOWN		
	ALPHA	BETA	CONF2	CH3	LOS	ACPF3	YCPF3	CONF4	CH4	CH4	ACPF4	YCPF4
93	43.51	0.11	0.0005	5.5555	0.0162	5.5559	0.3386	0.7059	0.0352	0.3234	0.0455	0.4556
94	43.69	0.12	0.0007	5.5555	0.0160	5.5555	0.4149	0.7054	0.0354	0.3208	0.0501	0.4548
95	43.35	0.12	0.0007	5.5555	0.0224	5.5555	0.3353	0.7130	0.0355	0.3235	0.0497	0.4537
96	44.07	0.12	0.0008	5.5555	0.0183	5.5555	0.3987	0.7083	0.0352	0.3221	0.0456	0.4546
97	44.24	0.12	0.0008	5.5555	0.0206	5.5555	0.3955	0.7116	0.0351	0.3230	0.0493	0.4535
98	44.44	0.12	0.0017	5.5555	0.0177	5.5555	0.4234	0.7054	0.0352	0.3200	0.0456	0.4536
99	44.61	0.11	0.0012	5.5555	0.0203	5.5555	0.3756	0.7161	0.0346	0.3248	0.0483	0.4524
100	44.78	0.11	0.0017	5.5555	0.0186	5.5555	0.4061	0.7276	0.0340	0.3294	0.0468	0.4528
101	44.90	0.12	0.0018	5.5555	0.0226	5.5555	0.4190	0.7138	0.0342	0.3252	0.0476	0.4515
102	45.15	0.12	0.0018	5.5555	0.0175	5.5555	0.3311	0.7371	0.0332	0.3314	0.0451	0.4496
103	45.32	0.10	0.0004	5.5555	0.0205	5.5555	0.4311	0.7340	0.0334	0.3256	0.0456	0.4491
104	45.49	0.11	0.0009	5.5555	0.0227	5.5555	0.4100	0.7686	0.0318	0.3423	0.0414	0.4456
105	45.66	0.10	0.0005	5.5555	0.0222	5.5555	0.4223	0.7418	0.0330	0.3330	0.0446	0.4485
106	45.84	0.11	0.0003	5.5555	0.0184	5.5555	0.4555	0.7356	0.0327	0.3283	0.0445	0.4464
107	46.01	0.10	0.0000	5.5555	0.0192	5.5555	0.4456	0.7355	0.0330	0.3284	0.0449	0.4466
108	46.19	0.10	0.0004	5.5555	0.0216	5.5555	0.3994	0.7373	0.0326	0.3312	0.0443	0.4492
109	46.36	0.11	0.0003	5.5555	0.0185	5.5555	0.4386	0.7421	0.0321	0.3318	0.0433	0.4471
110	46.53	0.12	0.0017	5.5555	0.0192	5.5555	0.4395	0.7499	0.0316	0.3345	0.0422	0.4460
111	46.71	0.11	0.0013	5.5555	0.0228	5.5555	0.4400	0.7592	0.0315	0.3379	0.0416	0.4451
112	46.87	0.09	0.0001	5.5555	0.0153	5.5555	0.4344	0.7602	0.0303	0.3466	0.0386	0.4434
113	47.05	0.11	0.0003	5.5555	0.0175	5.5555	0.4124	0.7678	0.0300	0.3491	0.0381	0.4432
114	47.21	0.09	0.0001	5.5555	0.0200	5.5555	0.4032	0.7927	0.0255	0.3504	0.0373	0.4421
115	47.38	0.06	0.0000	5.5555	0.0127	5.5555	0.4184	0.7990	0.0252	0.3526	0.0366	0.4413
116	47.57	0.10	0.0017	5.5555	0.0175	5.5555	0.4137	0.8038	0.0288	0.3552	0.0355	0.4418
117	47.72	0.07	0.0000	5.5555	0.0115	5.5555	0.4273	0.8054	0.0287	0.3564	0.0357	0.4424
118	47.90	0.08	0.0001	5.5555	0.0180	5.5555	0.4393	0.8055	0.0280	0.3557	0.0356	0.4415
119	48.05	0.06	0.0000	5.5555	0.0121	5.5555	0.5016	0.8263	0.0274	0.3638	0.0332	0.4403
120	48.23	0.07	0.0000	5.5555	0.0157	5.5555	0.4446	0.8422	0.0270	0.3694	0.0321	0.4388
121	48.40	0.07	0.0000	5.5555	0.0144	5.5555	0.4414	0.8455	0.0272	0.3654	0.0324	0.4355
122	48.55	0.06	0.0000	5.5555	0.0101	5.5555	0.4399	0.8472	0.0261	0.3714	0.0305	0.4390
123	48.72	0.07	0.0017	5.5555	0.0091	5.5555	0.4207	0.8467	0.0261	0.3716	0.0308	0.4379
124	48.90	0.05	0.0000	5.5555	0.0144	5.5555	0.4414	0.8520	0.0256	0.3736	0.0303	0.4385
125	49.06	0.05	0.0000	5.5555	0.0110	5.5555	0.4541	0.8467	0.0262	0.3720	0.0305	0.4384
126	49.24	0.04	0.0000	5.5555	0.0087	5.5555	0.4422	0.8535	0.0257	0.3741	0.0302	0.4384
127	49.42	0.03	0.0000	5.5555	0.0062	5.5555	0.4330	0.8693	0.0262	0.3805	0.0302	0.4377
128	49.57	0.01	0.0000	5.5555	0.0077	5.5555	0.4739	0.8832	0.0258	0.3740	0.0295	0.4350
129	49.75	0.03	0.0000	5.5555	0.0075	5.5555	0.4171	0.8793	0.0245	0.3832	0.0279	0.4356
130	49.92	0.02	0.0017	5.5555	0.0055	5.5555	0.4392	0.8810	0.0247	0.3721	0.0291	0.4373
131	50.09	0.02	0.0017	5.5555	0.0055	5.5555	0.4392	0.8806	0.0245	0.3791	0.0283	0.4373
132	50.26	0.02	0.0018	5.5555	0.0070	5.5555	0.4308	0.8798	0.0240	0.3810	0.0275	0.4355
133	50.43	0.03	0.0017	5.5555	0.0060	5.5555	0.4300	0.8558	0.0245	0.3735	0.0287	0.4365
134	50.58	0.03	0.0012	5.5555	0.0064	5.5555	0.3344	0.8637	0.0243	0.3777	0.0282	0.4374
135	50.76	0.04	0.0035	5.5555	0.0035	5.5555	0.3711	0.8654	0.0240	0.3786	0.0278	0.4374
136	50.93	0.06	0.0018	5.5555	0.0060	5.5555	0.4062	0.8688	0.0236	0.3804	0.0268	0.4347
137	51.14	0.06	0.0017	5.5555	0.0055	5.5555	0.4392	0.8252	0.0267	0.4003	0.0289	0.4327
138	51.31	0.05	0.0017	5.5555	0.0015	5.5555	0.4405	0.8223	0.0263	0.4001	0.0286	0.4338

PAGE 3 OF 3
SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH RAIC-6			PHI CONF		CEL1 DEL2		CEL3 CEL4		TRANSITION			
7 152 0.80 1.7			C.C. d100F13 0.0		0 -20		0 -20		UNKNOWN			
PCINT	ALPHA	BETA	LMF3	LM3	CB3	ACPF3	YCPF3	LMF4	LM4	CB4	ACPF4	YCPF4
139	51.48	0.06	0.0312	5.9999	0.0133	5.9999	0.4244	0.9378	0.0261	0.4056	0.0279	0.4329
140	51.65	0.06	0.0211	5.9999	0.0134	5.9999	0.4340	0.9290	0.0246	0.4027	0.0265	0.4335
141	51.83	0.07	0.0325	5.9999	0.0141	5.9999	0.4321	0.9553	0.0255	0.4133	0.0267	0.4326
142	52.00	0.10	0.0325	5.9999	0.0144	5.9999	0.4414	0.9712	0.0240	0.4202	0.0254	0.4327
143	52.16	0.10	0.0296	5.9999	0.0125	5.9999	0.4305	0.9606	0.0237	0.4156	0.0247	0.4325
144	52.34	0.10	0.0270	5.9999	0.0127	5.9999	0.4302	0.9636	0.0240	0.4151	0.0249	0.4306
145	52.45	0.10	0.0270	5.9999	0.0127	5.9999	0.4682	0.9594	0.0227	0.4141	0.0237	0.4316
146	52.64	0.11	0.0240	5.9999	0.0130	5.9999	0.4545	0.9490	0.0220	0.4104	0.0232	0.4325
147	52.82	0.12	0.0353	5.9999	0.0181	5.9999	0.4595	0.9196	0.0214	0.3587	0.0233	0.4336
148	53.00	0.12	0.0353	5.9999	0.0160	5.9999	0.4746	0.9370	0.0219	0.4065	0.0234	0.4338
149	53.14	0.13	0.0408	5.9999	0.0180	5.9999	0.4549	0.9160	0.0217	0.3589	0.0237	0.4352
150	53.31	0.12	0.0355	5.9999	0.0165	5.9999	0.4673	0.9027	0.0215	0.3930	0.0239	0.4363
151	53.47	0.12	0.0408	5.9999	0.0201	5.9999	0.4916	0.9311	0.0213	0.4049	0.0229	0.4348
152	53.64	0.12	0.0430	5.9999	0.0190	5.9999	0.4933	0.9090	0.0215	0.3961	0.0237	0.4358
153	53.80	0.12	0.0422	5.9999	0.0202	5.9999	0.4778	0.9092	0.0215	0.3971	0.0237	0.4368
154	53.95	0.10	0.0356	5.9999	0.0160	5.9999	0.4565	0.9251	0.0210	0.4038	0.0227	0.4364
155	54.11	0.10	0.0355	5.9999	0.0171	5.9999	0.4455	0.9429	0.0237	0.4099	0.0220	0.4347
156	54.26	0.12	0.0355	5.9999	0.0173	5.9999	0.4455	0.9390	0.0196	0.4160	0.0207	0.4338
157	54.44	0.11	0.0478	5.9999	0.0220	5.9999	0.4596	0.9797	0.0193	0.4251	0.0197	0.4340
158	54.60	0.12	0.0362	5.9999	0.0182	5.9999	0.4733	0.9643	0.0190	0.4265	0.0199	0.4338
159	54.75	0.11	0.0260	5.9999	0.0116	5.9999	0.4592	0.9797	0.0194	0.4271	0.0198	0.4360
160	54.92	0.11	0.0273	5.9999	0.0120	5.9999	0.4667	0.9613	0.0180	0.4296	0.0192	0.4377
161	55.07	0.11	0.0328	5.9999	0.0146	5.9999	0.4435	0.9630	0.0185	0.4308	0.0185	0.4382
162	55.25	0.11	0.0357	5.9999	0.0175	5.9999	0.4397	0.9649	0.0187	0.4320	0.0190	0.4386
163	55.45	0.10	0.0342	5.9999	0.0150	5.9999	0.4371	0.9928	0.0187	0.4355	0.0189	0.4386
164	55.61	0.10	0.0315	5.9999	0.0142	5.9999	0.4441	0.9787	0.0182	0.4305	0.0186	0.4402
165	55.77	0.09	0.0356	5.9999	0.0140	5.9999	0.4317	0.9969	0.0177	0.4380	0.0177	0.4385
166	55.94	0.10	0.0320	5.9999	0.0142	5.9999	0.4313	1.0053	0.0177	0.4418	0.0176	0.4395
167	56.10	0.09	0.0314	5.9999	0.0134	5.9999	0.4249	0.9976	0.0172	0.4395	0.0173	0.4406
168	56.26	0.10	0.0356	5.9999	0.0140	5.9999	0.4317	0.9645	0.0175	0.4360	0.0181	0.4406
169	56.41	0.07	0.0363	5.9999	0.0150	5.9999	0.4060	1.0067	0.0168	0.4422	0.0167	0.4393
170	56.58	0.10	0.0405	5.9999	0.0175	5.9999	0.4300	1.0035	0.0165	0.4401	0.0169	0.4386
171	56.73	0.07	0.0327	5.9999	0.0130	5.9999	0.4203	1.0082	0.0159	0.4410	0.0158	0.4374
172	56.89	0.09	0.0255	5.9999	0.0130	5.9999	0.4524	1.0131	0.0155	0.4435	0.0153	0.4382
173	57.04	0.09	0.0313	5.9999	0.0130	5.9999	0.4135	1.0128	0.0161	0.4436	0.0159	0.4380
174	57.15	0.08	0.0366	5.9999	0.0165	5.9999	0.4445	1.0061	0.0159	0.4401	0.0158	0.4374
175	57.32	0.05	0.0256	5.9999	0.0130	5.9999	0.4345	1.0383	0.0139	0.4524	0.0130	0.4356
176	57.50	0.06	0.0250	5.9999	0.0100	5.9999	0.4199	1.0090	0.0140	0.4406	0.0135	0.4364
177	57.64	0.06	0.0244	5.9999	0.0103	5.9999	0.4235	0.9933	0.0135	0.4325	0.0136	0.4371
178	57.78	0.07	0.0240	5.9999	0.0126	5.9999	0.4275	1.0031	0.0137	0.4482	0.0133	0.4334
179	57.92	0.05	0.0257	5.9999	0.0114	5.9999	0.4450	1.0120	0.0145	0.4415	0.0143	0.4367
180	57.95	0.04	0.0265	5.9999	0.0134	5.9999	0.4560	1.0292	0.0134	0.4472	0.0130	0.4345

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI		CCRF		L		DELTA		DELTA		DELTA		DELTA		TRANSITION	
7 153 0.00 1.7				C.O. B10F13		C.C		0		-20		0		-20		UNKNOWN			
PLINT	ALPHA	BETA	CA	CLM	CL	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL
1	-5.72	0.01	-1.4817	5.0783	-0.0151	0.0066	-0.0236	0.0544	0.3723	0.5221	-3.4743								
2	-5.71	0.02	-1.4825	5.0777	0.0121	0.0147	-0.0172	0.0545	0.3731	0.5194	-3.4589								
3	-5.71	0.01	-1.4371	5.0223	-0.0894	0.1215	-0.0236	0.0926	0.3759	0.5167	-3.4988								
4	-5.69	0.02	-1.4741	4.9902	0.0253	0.0130	-0.0103	0.0973	0.3752	0.5221	-3.5230								
5	-4.77	0.03	-1.4247	5.5046	0.1585	-0.0127	0.0224	0.0615	0.3386	0.5449	-3.6637								
6	-2.77	0.02	-1.5137	6.0033	0.0005	-0.0751	0.0096	0.0392	0.2448	0.5444	-4.2303								
7	-1.22	0.02	-1.3842	6.2691	0.0340	-0.0011	0.0036	0.0032	0.2075	0.5557	-4.5342								
8	0.01	0.01	-1.1254	5.8504	-0.0613	-0.0714	-0.0024	0.7508	0.1953	0.5635	-4.9582								
9	2.41	0.02	-0.5926	5.6156	-0.0062	-0.0504	-0.0052	0.7198	0.1633	0.5565	-5.6235								
10	4.17	0.02	-0.0251	5.3436	-0.0042	-0.0253	-0.0014	0.6755	0.1711	0.5044	-6.4706								
11	5.58	0.02	-0.5745	4.7543	-0.0253	-0.1106	0.0117	0.6120	0.1562	0.4558	-8.3354								
12	7.01	0.02	-0.5168	4.2116	-0.0417	0.0195	0.0119	0.5417	0.1452	0.3465	-13.2558								
13	9.56	0.01	0.0082	3.1560	-0.0470	-0.0241	0.0061	0.4580	0.1622	0.3159	35.5223								
14	11.43	0.02	0.4461	2.2515	-0.0145	0.0442	0.0127	0.3914	0.1442	0.2472	5.0476								
15	13.25	0.02	0.7527	1.4501	0.0377	-0.0001	0.0135	0.3417	0.1487	0.1930	1.6656								
16	15.13	0.02	1.1463	0.9025	0.0217	-0.0449	0.0016	0.2459	0.1547	0.1362	0.7877								
17	17.05	0.02	1.5313	0.2388	-0.0518	0.0820	0.0040	0.2444	0.1720	0.0724	0.1560								
18	18.94	0.01	1.9252	-0.4613	-0.1000	0.1304	0.0469	0.1702	0.1793	-0.0041	-0.2356								
19	20.84	0.00	2.3012	-1.3810	-0.2751	0.1661	0.0970	0.0891	0.1868	-0.0957	-0.5845								
20	22.74	-0.00	2.6555	-2.3661	-0.3683	1.1402	0.1404	0.0037	0.1937	-0.1900	-0.8340								
21	24.63	-0.02	3.1642	-2.6727	-0.6320	1.5575	0.0961	0.0084	0.2133	-0.2009	-0.8394								
22	26.53	-0.01	3.6250	-3.0023	-0.3876	0.0501	0.0050	-0.0572	0.2142	-0.2714	-0.8273								
23	27.42	0.04	3.9150	-3.0205	0.3330	-0.0240	0.0061	-0.1141	0.2072	-0.3213	-0.7707								
24	27.92	0.03	3.5355	-3.0142	0.1740	-0.1665	0.0412	-0.0942	0.2115	-0.3107	-0.7659								
25	27.92	0.03	3.5050	-3.0080	0.2541	-0.1544	0.0543	-0.1012	0.2099	-0.3111	-0.7623								
26	27.94	0.02	3.9700	-3.0516	0.2881	-0.1717	0.0802	-0.1020	0.2094	-0.3114	-0.7787								
27	28.34	0.05	4.0154	-3.1135	0.5285	-0.0974	0.1001	-0.1132	0.2102	-0.3234	-0.7746								
28	28.00	0.05	4.1034	-3.0445	0.5305	-0.0909	0.0944	-0.1075	0.2135	-0.3216	-0.7258								
29	28.89	0.05	4.1752	-2.9700	0.4480	-0.1774	0.0316	-0.1122	0.2159	-0.3281	-0.7107								
30	29.23	0.06	4.2017	-3.0047	0.5242	-0.1523	0.1347	-0.1170	0.2180	-0.3350	-0.7052								
31	29.51	0.05	4.3444	-3.0200	0.5145	-0.0207	0.1208	-0.1159	0.2220	-0.3419	-0.6952								
32	29.74	0.05	4.3780	-2.8740	0.4827	-0.1608	0.1146	-0.1064	0.2276	-0.3362	-0.6565								
33	30.00	0.05	4.4643	-3.0152	0.5064	-0.0134	0.1470	-0.1031	0.2303	-0.3336	-0.6763								
34	30.33	0.05	4.5337	-2.9360	0.4518	-0.1304	0.1089	-0.1070	0.2356	-0.3426	-0.6463								
35	30.61	0.06	4.6754	-2.9155	0.6585	-1.1022	0.1736	-0.1104	0.2405	-0.3505	-0.6245								
36	30.88	0.06	4.7454	-2.8224	0.6354	-1.2602	0.1804	-0.1116	0.2455	-0.3571	-0.5543								
37	31.16	0.08	4.9080	-2.7915	0.5324	-1.3261	0.2008	-0.1080	0.2492	-0.3572	-0.5711								
38	31.44	0.06	5.0042	-2.7106	0.8007	-1.1749	0.1921	-0.1153	0.2513	-0.3666	-0.5418								
39	31.69	0.06	5.0654	-2.7235	0.6705	-1.0434	0.1757	-0.1224	0.2538	-0.3762	-0.5377								
40	31.97	0.08	5.1554	-2.6763	0.7840	-0.9837	0.1814	-0.1304	0.2563	-0.3872	-0.5187								
41	32.23	0.06	5.2172	-2.5561	0.5067	-1.2342	0.1763	-0.1302	0.2559	-0.3861	-0.4976								
42	32.51	0.10	5.4465	-2.5055	1.0678	-1.0517	0.1908	-0.1344	0.2574	-0.3473	-0.4626								
43	32.77	0.05	5.5042	-2.5874	1.1043	-1.0068	0.1914	-0.1544	0.2562	-0.4106	-0.4337								
44	33.02	0.04	5.5830	-2.5047	1.0611	-1.0544	0.1790	-0.1627	0.2567	-0.4194	-0.4271								
45	33.26	0.06	5.6071	-2.2610	0.9445	-1.0209	0.1670	-0.1609	0.2583	-0.4192	-0.4018								
46	33.53	0.07	5.7051	-2.1654	0.7804	-1.0407	0.1284	-0.1708	0.2554	-0.4322	-0.3778								

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 7.10-6				PHI CLRF		DEL1 DEL2		DEL3 DEL4		TRANSITION	
7 153 0.50 1.7				0.0 0.100F13 0.0		0 -20		0 -20		UNKNOWN	
PCINT	ALPHA	BETA	CN	CLM	CY	CLA	CLL	CA	CAB	CAF	ACP
47	33.78	0.07	5.8466	-2.0150	0.7480	-1.5116	0.1097	-0.1670	0.2526	-0.4266	-0.3446
48	34.01	0.06	5.9133	-1.9874	0.6344	-1.3528	0.0906	-0.1749	0.2603	-0.4332	-0.3360
49	34.27	0.03	6.0451	-1.9996	0.3524	-1.1684	0.1034	-0.1940	0.2539	-0.4589	-0.3306
50	34.52	0.06	6.0713	-2.0181	0.6530	-1.0167	0.1230	-0.1969	0.2626	-0.4597	-0.3321
51	34.76	0.04	6.1907	-1.8250	0.4717	-1.1557	0.0915	-0.2106	0.2600	-0.4706	-0.2954
52	35.00	0.04	6.3002	-1.8153	0.3720	-1.0870	0.0473	-0.2101	0.2620	-0.4721	-0.2788
53	35.24	0.04	6.3827	-1.8403	0.5325	-1.2555	0.0609	-0.2054	0.2620	-0.4676	-0.2568
54	35.50	0.02	6.5218	-1.7451	0.3285	-1.0646	0.0418	-0.2243	0.2610	-0.4910	-0.2630
55	35.73	0.03	6.5605	-1.6174	0.3857	-0.7519	-0.0088	-0.2308	0.2685	-0.4974	-0.2465
56	35.95	0.04	6.6040	-1.5175	0.4337	-0.7551	-0.0145	-0.2429	0.2600	-0.5030	-0.2277
57	36.19	0.03	6.7228	-1.6582	0.3380	-0.7651	-0.0082	-0.2478	0.2608	-0.5087	-0.2437
58	36.44	0.03	6.8550	-1.5162	0.3430	-0.4084	-0.0014	-0.2693	0.2503	-0.5257	-0.2199
59	36.65	0.02	6.7501	-1.6342	0.3684	-0.8935	0.0365	-0.2518	0.2592	-0.5111	-0.2407
60	36.91	0.03	6.9421	-1.5033	0.3134	-0.5154	-0.0137	-0.2694	0.2551	-0.5246	-0.2165
61	37.14	0.02	7.0007	-1.4352	0.2356	-0.6710	0.0877	-0.2669	0.2526	-0.5216	-0.2048
62	37.37	0.04	7.1004	-1.5018	0.4065	-0.5524	0.0187	-0.2913	0.2530	-0.5443	-0.2058
63	37.62	0.03	7.3456	-1.4541	0.4577	-0.6312	0.1335	-0.2602	0.2507	-0.5370	-0.1980
64	37.85	0.03	7.2818	-1.5143	0.3285	-0.5044	0.1076	-0.2671	0.2559	-0.5431	-0.2080
65	38.08	0.03	7.3536	-1.3831	0.3645	-0.4887	0.0575	-0.3109	0.2526	-0.5635	-0.1871
66	38.33	0.01	7.5005	-1.4370	0.3018	-0.6412	0.1028	-0.3107	0.2510	-0.5763	-0.1917
67	38.54	0.03	7.3058	-1.5005	0.3153	-0.5692	0.1066	-0.2997	0.2545	-0.5552	-0.2000
68	38.76	0.07	7.3423	-1.5532	0.0430	-0.6833	0.0906	-0.3247	0.2673	-0.5920	-0.2009
69	39.00	0.02	7.7112	-1.3046	0.1512	-0.1528	0.0772	-0.3090	0.2645	-0.5735	-0.1776
70	39.23	0.03	7.8115	-1.5055	0.3874	-0.2305	0.1153	-0.3109	0.2722	-0.5831	-0.1928
71	39.43	0.04	7.8855	-1.4285	0.4131	-0.0322	0.1272	-0.2694	0.2861	-0.5706	-0.1810
72	39.64	0.02	7.9002	-1.5057	0.2857	-0.0157	0.0834	-0.3151	0.2743	-0.5874	-0.1752
73	39.86	0.02	8.0066	-1.5247	0.2207	-0.1755	0.0759	-0.3124	0.2836	-0.5960	-0.1653
74	40.07	0.03	8.0550	-1.3930	0.3382	-0.2043	0.0924	-0.3073	0.2745	-0.5868	-0.1729
75	40.32	0.04	8.1719	-1.4657	0.3468	-0.6105	0.1371	-0.3093	0.3044	-0.6136	-0.1799
76	40.52	0.02	8.1413	-1.5770	0.1673	-0.3132	0.0707	-0.3262	0.2685	-0.6167	-0.1692
77	40.75	0.01	8.2558	-1.3853	-0.0186	0.7327	0.0700	-0.3278	0.2935	-0.6212	-0.1677
78	40.94	0.02	8.3051	-1.4353	0.0053	0.8110	0.0700	-0.3174	0.3017	-0.6190	-0.1732
79	41.16	0.00	8.4084	-1.4459	-0.1235	0.7647	0.0519	-0.3399	0.2898	-0.6256	-0.1713
80	41.37	0.02	8.5023	-1.5258	0.0474	0.9808	0.0633	-0.3382	0.3110	-0.6441	-0.1755
81	41.55	0.00	8.5661	-1.4765	-0.0057	0.9513	0.0506	-0.3746	0.2811	-0.6557	-0.1724
82	41.76	0.02	8.5524	-1.3510	0.1027	0.9850	0.0403	-0.3659	0.2693	-0.6512	-0.1627
83	41.98	0.03	8.7120	-1.4588	0.1738	0.9646	0.0529	-0.3828	0.2770	-0.6598	-0.1720
84	42.15	0.02	8.7554	-1.5391	0.1180	0.2604	0.0401	-0.3901	0.2771	-0.6672	-0.1757
85	42.34	0.03	8.8112	-1.5815	0.1363	0.9352	0.0330	-0.3621	0.2889	-0.6310	-0.1799
86	42.52	0.02	8.8865	-1.5727	0.1065	0.6290	0.0445	-0.4030	0.2751	-0.6782	-0.1770
87	42.73	0.02	8.9554	-1.5550	0.0264	0.9566	0.0480	-0.4075	0.2677	-0.6653	-0.1733
88	42.90	0.02	9.1018	-1.6255	0.0105	1.3157	0.0455	-0.3614	0.3062	-0.6675	-0.1751
89	43.08	0.03	9.2023	-1.6555	0.1715	0.2914	0.0497	-0.4076	0.2844	-0.6921	-0.1799
90	43.27	0.02	9.1051	-1.6728	0.1077	0.9819	0.0405	-0.3680	0.2910	-0.6798	-0.1821
91	43.45	0.03	9.2757	-1.7114	0.2448	0.3855	0.0493	-0.4018	0.2834	-0.6823	-0.1845
92	43.63	0.02	9.3111	-1.7200	0.2103	-0.0445	0.0630	-0.4256	0.2685	-0.6942	-0.1847

PAGE 1 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PNT		CONF		L		CELL		DEL2		DEL3		DEL4		TRANSITION	
1			153		0.90		1.7		0.0		0.100		1.3		0.0		UNKNOWN	
PCINT	ALPHA	BETA	CLN	CLP	CLY	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL	CLL
93	43.75	0.02	5.3011	-1.3175	0.1553	0.1554	0.0538	-0.4177	0.2632	-0.7010	-0.1956							
94	43.50	0.03	5.4154	-1.6476	0.3027	0.3034	0.0514	-0.4015	0.2040	-0.6864	-0.1962							
95	44.10	0.00	5.6216	-1.5626	-0.0612	0.0347	0.0430	-0.2446	0.2052	-0.7349	-0.1957							
96	44.36	0.00	5.6942	-1.7424	-0.0104	0.1378	0.0460	-0.4050	0.2755	-0.7412	-0.1797							
97	44.54	0.01	5.7707	-1.8355	-0.0242	1.0605	-0.0348	-0.4038	0.3062	-0.7100	-0.1679							
98	44.72	0.01	5.8554	-1.9524	-0.1350	1.5425	-0.0350	-0.4126	0.3140	-0.7266	-0.1445							
99	44.92	0.01	5.9482	-1.9677	-0.0610	1.1555	-0.0271	-0.4400	0.2673	-0.7354	-0.1558							
100	45.09	0.02	5.8481	-1.5541	0.0034	0.8755	-0.0324	-0.4545	0.2734	-0.7280	-0.2029							
101	45.28	0.02	10.0515	-2.0425	0.1818	0.4201	-0.0115	-0.4673	0.2716	-0.7591	-0.2043							
102	45.40	0.04	5.9860	-2.0033	0.2490	1.1400	-0.0330	-0.4404	0.2644	-0.7314	-0.2066							
103	45.63	0.00	10.0765	-2.0662	-0.2083	1.9525	-0.0755	-0.4458	0.3050	-0.7548	-0.2070							
104	45.81	0.01	10.2040	-2.1010	0.1195	0.2602	-0.0155	-0.4805	0.2738	-0.7623	-0.2136							
105	45.98	0.03	10.2416	-2.2135	-0.2508	1.1504	-0.0547	-0.5114	0.2814	-0.7533	-0.2162							
106	46.16	0.00	10.2881	-2.0805	-0.0632	0.8437	-0.0548	-0.4674	0.2673	-0.7553	-0.2022							
107	46.33	0.00	10.4466	-2.1740	-0.1650	1.0856	-0.1010	-0.4637	0.2514	-0.7551	-0.2061							
108	46.51	0.01	10.4640	-2.1346	-0.1334	1.4459	-0.0814	-0.4758	0.2444	-0.7157	-0.2055							
109	46.68	0.01	10.5885	-2.2041	-0.2485	1.4507	-0.0683	-0.4703	0.2447	-0.7650	-0.2082							
110	46.86	0.02	10.6051	-2.2346	-0.2105	1.0070	-0.1064	-0.4644	0.2476	-0.7621	-0.2112							
111	47.03	0.00	10.6642	-2.1641	-0.1029	1.0842	-0.0942	-0.4602	0.2433	-0.7535	-0.2029							
112	47.21	0.01	10.7050	-2.2716	-0.0516	1.0402	-0.0805	-0.4411	0.3023	-0.7533	-0.2116							
113	47.39	0.01	10.8771	-2.2444	-0.0531	2.1479	-0.1015	-0.4446	0.3334	-0.7780	-0.2063							
114	47.55	0.02	10.8665	-2.2026	0.1100	1.0748	-0.0824	-0.4405	0.3141	-0.8105	-0.2082							
115	47.73	0.00	10.8782	-2.2515	-0.1172	2.0031	-0.0819	-0.4605	0.3240	-0.7851	-0.2070							
116	47.91	0.01	11.1167	-2.3021	-0.1142	2.0210	-0.1334	-0.4440	0.3447	-0.7807	-0.2143							
117	48.08	0.03	11.0554	-2.3915	0.1232	2.1525	-0.1015	-0.4638	0.3356	-0.8253	-0.2155							
118	48.27	0.05	11.2240	-2.5066	0.2213	2.0111	-0.1477	-0.4408	0.3710	-0.7878	-0.2260							
119	48.43	0.05	11.4038	-2.8620	0.2805	2.7725	-0.1471	-0.4431	0.3701	-0.8152	-0.2334							
120	48.60	0.02	11.3055	-2.1130	-0.0222	2.7423	-0.1405	-0.4324	0.3796	-0.8120	-0.2400							
121	48.75	0.03	11.5665	-2.7754	0.0036	2.7400	-0.1336	-0.3700	0.3926	-0.7626	-0.2462							
122	48.90	0.00	11.5484	-2.8885	-0.2104	2.8450	-0.1303	-0.3450	0.4201	-0.8151	-0.2501							
123	49.15	0.06	11.7530	-3.2443	0.4196	2.2700	-0.1251	-0.3412	0.4365	-0.7777	-0.2760							
124	49.32	0.05	11.7011	-3.2407	0.3075	2.0330	-0.1174	-0.4055	0.4104	-0.8219	-0.2770							
125	49.53	0.10	12.0001	-3.5402	0.0030	2.6311	-0.1387	-0.3403	0.4765	-0.8168	-0.3266							
126	49.69	0.10	12.0328	-3.5405	0.7012	2.4806	-0.0950	-0.3344	0.4401	-0.8244	-0.3275							
127	49.91	0.02	12.6760	-4.7604	-0.0145	2.3808	-0.0346	-0.3765	0.4344	-0.8113	-0.3929							
128	50.07	0.08	12.5515	-4.0011	0.3501	2.4475	-0.0370	-0.3035	0.4501	-0.8150	-0.3673							
129	50.26	0.06	12.7415	-5.1405	0.3877	2.7256	-0.0927	-0.3682	0.4453	-0.8135	-0.4035							
130	50.43	0.00	12.7607	-4.4203	0.1201	2.1314	-0.0593	-0.3527	0.4676	-0.8203	-0.3856							
131	50.59	0.05	12.8055	-5.0088	0.3585	2.4231	-0.0661	-0.3616	0.4622	-0.8238	-0.3910							
132	50.76	0.00	12.7430	-4.7453	0.5014	1.7391	-0.0305	-0.3302	0.4840	-0.8207	-0.3763							
133	50.93	0.04	12.8438	-5.1537	0.2020	2.3849	-0.0504	-0.3099	0.4931	-0.8025	-0.4013							
134	51.11	0.04	12.2561	-5.5588	0.3027	2.5738	-0.0703	-0.3403	0.5043	-0.8065	-0.4181							
135	51.30	0.01	12.5346	-5.9035	-0.0062	2.6757	-0.0820	-0.3597	0.5153	-0.8750	-0.4421							
136	51.45	0.06	12.2000	-5.8036	0.4000	2.0177	-0.0803	-0.3245	0.5254	-0.7549	-0.4374							
137	51.60	0.06	12.2165	-6.3502	0.4825	3.0755	-0.0855	-0.3197	0.5241	-0.8437	-0.4625							
138	51.83	0.04	12.9453	-6.4365	0.4405	2.3605	-0.0449	-0.3291	0.5253	-0.8543	-0.4615							

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

PLINT	TEST PART		PACF		AXIC-6		PHI		CONF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION	
	1		153		0.50		1.0		0.0		0.0		0		-20		0		-20		UNKNOWN	
	ALPHA	BETA	LN	LLN	LY	CLN	CLL	CA	CA0	CAF	ACP											
139	52.03	0.07	14.0007	-0.3347	0.6201	2.4101	-0.0189	-0.3621	0.5321	-0.8442	-0.4529											
140	52.13	0.04	13.8835	-0.1483	0.4232	2.4321	-0.0258	-0.3184	0.5228	-0.8416	-0.4530											
141	52.33	0.04	13.9240	-0.4136	0.3395	2.3537	-0.0122	-0.3339	0.5335	-0.8643	-0.4606											
142	52.48	0.08	13.9965	-0.3510	0.7210	2.3190	-0.0124	-0.3212	0.5317	-0.8528	-0.4538											
143	52.64	0.05	13.8408	-0.3547	0.6085	2.4891	-0.0259	-0.3013	0.5240	-0.8252	-0.4375											
144	52.82	0.00	13.9420	-0.2128	1.0545	2.3730	-0.0196	-0.3211	0.5223	-0.8413	-0.4471											
145	52.98	0.07	13.9447	-0.3064	0.6879	2.4352	-0.0150	-0.3285	0.5239	-0.8527	-0.4522											
146	53.14	0.00	13.9774	-0.1476	0.7054	2.3877	-0.0178	-0.3438	0.5232	-0.8643	-0.4398											
147	53.30	0.07	13.9522	-0.3465	0.6748	2.4575	-0.0130	-0.3442	0.5222	-0.8714	-0.4549											
148	53.44	0.09	14.1404	-0.4368	0.9512	2.4145	-0.0141	-0.3041	0.5315	-0.8400	-0.4566											
149	53.62	0.06	13.9815	-0.3354	0.7583	2.3223	-0.0113	-0.3506	0.5254	-0.8760	-0.4531											
150	53.80	0.10	14.0227	-0.6510	1.0015	2.4201	-0.0238	-0.3730	0.5334	-0.8684	-0.4685											
151	53.94	-0.00	14.1353	-0.3441	0.7148	1.8245	0.0101	-0.3514	0.5334	-0.8848	-0.4481											
152	54.10	0.05	14.1112	-0.4526	0.6771	2.0221	0.0112	-0.3676	0.5307	-0.9043	-0.4601											
153	54.25	0.00	14.2127	-0.4414	0.6453	1.5748	0.0160	-0.3604	0.5431	-0.9055	-0.4532											
154	54.42	0.06	14.3374	-0.7052	0.6050	1.5007	0.0165	-0.3600	0.5430	-0.9118	-0.4733											
155	54.57	0.03	14.2712	-0.5050	0.4264	1.4040	0.0236	-0.3474	0.5542	-0.9016	-0.4673											
156	54.72	0.00	14.2752	-0.4557	0.7347	1.2774	0.0301	-0.3442	0.5531	-0.8953	-0.4553											
157	54.88	0.03	14.4177	-0.6142	0.6102	1.3524	0.0305	-0.3665	0.5628	-0.9253	-0.4728											
158	55.04	0.07	14.4622	-0.7045	0.6135	1.1534	0.0309	-0.3572	0.5620	-0.9252	-0.4689											
159	55.19	0.07	14.5380	-0.7460	0.6114	1.1106	0.0502	-0.3465	0.5715	-0.9184	-0.4641											
160	55.33	0.04	14.5080	-0.5362	0.6634	1.1870	0.0500	-0.3174	0.5675	-0.8854	-0.4549											
161	55.48	0.08	14.3757	-0.4111	0.7084	1.0568	0.0377	-0.3369	0.5711	-0.9080	-0.4460											
162	55.60	0.09	14.5559	-0.4671	1.0847	1.2441	0.0444	-0.3534	0.5711	-0.9245	-0.4457											
163	55.83	0.07	14.5554	-0.5873	0.6421	0.9370	0.0466	-0.3442	0.5754	-0.9196	-0.4526											
164	55.98	0.02	14.4147	-0.4600	0.5173	1.1227	0.0305	-0.3315	0.5750	-0.9077	-0.4480											
165	56.11	0.05	14.4725	-0.5040	0.6761	1.1641	0.0365	-0.3462	0.5715	-0.9181	-0.4454											
166	56.28	0.02	14.5627	-0.6013	0.3522	1.2044	0.0570	-0.3424	0.5635	-0.9264	-0.4527											
167	56.44	0.02	14.6563	-0.6388	0.6673	0.9584	0.0574	-0.3784	0.5628	-0.9612	-0.4517											
168	56.59	0.03	14.6387	-0.5840	0.6134	1.2200	0.0319	-0.3737	0.5600	-0.9605	-0.4502											
169	56.74	0.03	14.6165	-0.4814	0.5381	1.2583	0.0568	-0.3549	0.5615	-0.9364	-0.4434											
170	56.88	0.02	14.6137	-0.4444	0.4205	1.2211	0.0444	-0.3465	0.5517	-0.9402	-0.4410											
171	57.03	0.01	14.5935	-0.3856	0.2583	1.2501	0.0513	-0.3461	0.5501	-0.9362	-0.4376											
172	57.17	-0.03	14.5640	-0.4700	0.0832	1.3144	0.0576	-0.3600	0.5500	-0.9600	-0.4436											
173	57.33	0.00	14.5027	-0.5060	0.2732	1.2755	0.0578	-0.3784	0.5554	-0.9778	-0.4285											
174	57.48	0.00	14.6344	-0.5350	0.3011	0.8238	0.0407	-0.4041	0.5673	-0.9914	-0.3550											
175	57.62	-0.05	14.7381	-0.6278	0.0771	0.3469	0.0378	-0.4675	0.5557	-1.0232	-0.3860											
176	57.77	-0.05	14.7167	-0.7007	0.3178	1.4460	0.0014	-0.4532	0.5723	-1.0255	-0.3914											
177	57.92	-0.10	14.6059	-0.2755	0.4532	-1.5323	-0.0102	-0.4003	0.6112	-1.0120	-0.4237											
178	58.07	-0.10	14.6736	-0.4407	0.5555	-1.2518	0.0020	-0.3065	0.6250	-1.0161	-0.4364											
179	58.19	-0.08	14.7867	-0.4820	0.2342	-1.4376	0.0024	-0.3761	0.6372	-1.0133	-0.4384											

PAGE 2 OF 3
Sheet 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST POINT		MACH		REX		CNF1		CHI		COL1		XCPF1		YCPF1		CNF2		CHI2		COL2		XCPF2		YCPF2	
7		1.25		0.50		1.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
POINT	ALPHA	BETA	CNF1	CHI	COL1	XCPF1	YCPF1	CNF2	CHI2	COL2	XCPF2	YCPF2													
1	-5.72	0.01	0.0117	0.0025	0.0075	0.2138	0.0431	-0.5534	-0.0239	-0.2886	0.0443	0.4417													
2	-5.71	0.02	0.0117	0.0024	0.0078	0.2309	0.0888	-0.6400	-0.0297	-0.2300	0.0434	0.4444													
3	-5.71	0.01	0.0117	0.0031	0.0075	0.2051	0.0431	-0.6455	-0.0302	-0.2658	0.0469	0.4427													
4	-5.69	0.02	0.0066	0.0022	0.0063	0.2293	0.0383	-0.6691	-0.0264	-0.2978	0.0393	0.4451													
5	-4.77	0.03	0.0227	0.0066	0.0120	0.2997	0.5303	-0.7038	-0.0222	-0.3457	0.0284	0.4411													
6	-2.97	0.02	0.0055	0.0071	0.0050	0.2730	0.3355	-0.6200	-0.0225	-0.3036	0.0272	0.4391													
7	-1.22	0.02	0.0002	0.0053	0.0066	0.2625	0.3276	-0.7686	-0.0257	-0.3488	0.0326	0.4423													
8	0.61	0.01	0.0055	0.0057	0.0074	0.1993	0.2607	-0.7097	-0.0318	-0.3201	0.0449	0.4510													
9	2.41	0.02	0.0266	0.0052	0.0056	0.1740	0.1930	-0.6554	-0.0411	-0.3001	0.0623	0.4552													
10	4.17	0.02	0.0240	0.0033	0.0030	0.1208	0.1730	-0.5980	-0.0443	-0.2851	0.0746	0.4783													
11	5.56	0.02	0.0333	0.0031	0.0000	0.0531	0.2410	-0.5162	-0.0476	-0.2562	0.0525	0.4564													
12	7.01	0.02	0.0162	0.0030	0.0027	0.1653	0.1072	-0.4100	-0.0400	-0.2185	0.1119	0.5253													
13	5.56	0.01	0.0305	0.0038	0.0098	0.1101	0.3158	-0.2578	-0.0424	-0.1482	0.1643	0.5748													
14	11.45	0.02	0.0344	0.0040	0.0115	0.1147	0.3921	-0.1375	-0.0499	-0.0909	0.2177	0.6608													
15	13.25	0.02	0.0403	0.0037	0.0155	0.0919	0.3834	-0.0593	-0.0389	-0.0463	0.1808	0.5381													
16	15.13	0.02	0.0352	0.0021	0.0138	0.0536	0.3907	0.0310	0.0156	-0.0104	0.5035	-0.3368													
17	17.05	0.02	0.0506	0.0020	0.0050	0.0395	0.5050	0.1101	0.0411	0.0233	0.3725	0.2116													
18	16.94	0.01	0.0017	0.0053	0.0001	0.0001	0.0019	0.1957	0.0021	0.0004	0.3173	0.3352													
19	20.24	0.00	0.0716	0.0025	0.0040	-0.1245	0.7549	0.2922	0.0794	0.1128	0.2718	0.3880													
20	22.74	0.00	0.0070	0.0016	0.0037	-0.2150	0.9395	0.3791	0.0013	0.1502	0.2903	0.4121													
21	24.63	0.02	0.0312	0.0051	0.0020	-0.0804	2.0096	0.4401	0.0059	0.1844	0.1952	0.4185													
22	26.25	0.01	0.0220	0.0000	0.0091	-0.2455	0.8924	0.5745	0.0003	0.2368	0.1356	0.4121													
23	27.92	0.04	0.0666	0.0318	0.1084	0.1193	0.4064	0.6218	0.0647	0.2473	0.1040	0.3578													
24	27.92	0.03	0.1109	0.0055	0.0518	0.0848	0.4452	0.6114	0.0674	0.2454	0.1110	0.4011													
25	27.92	0.03	0.1574	0.0150	0.0725	0.0554	0.4630	0.6145	0.0685	0.2445	0.1115	0.3588													
26	27.94	0.03	0.1905	0.0216	0.0633	0.1138	0.4375	0.6272	0.0676	0.2497	0.1078	0.3582													
27	28.34	0.05	0.2253	0.0260	0.1032	0.1163	0.4507	0.6227	0.0618	0.2468	0.0992	0.3564													
28	28.00	0.05	0.2576	0.0266	0.1036	0.1120	0.4357	0.6307	0.0575	0.2496	0.0911	0.3556													
29	28.09	0.05	0.2019	0.0210	0.0895	0.1071	0.4432	0.6231	0.0558	0.2463	0.0895	0.3553													
30	29.23	0.06	0.3053	0.0328	0.1423	0.1100	0.4658	0.6313	0.0526	0.2481	0.0833	0.3530													
31	29.51	0.05	0.2725	0.0314	0.1331	0.1154	0.4885	0.6259	0.0505	0.2463	0.0806	0.3535													
32	29.74	0.05	0.2832	0.0314	0.1349	0.1111	0.4762	0.6285	0.0506	0.2474	0.0805	0.3545													
33	30.06	0.05	0.3125	0.0352	0.1527	0.1125	0.4867	0.6325	0.0494	0.2495	0.0781	0.3545													
34	30.33	0.05	0.2873	0.0300	0.1205	0.1140	0.4808	0.6276	0.0459	0.2477	0.0731	0.3547													
35	30.61	0.06	0.3511	0.0410	0.1724	0.1167	0.4910	0.6291	0.0450	0.2477	0.0715	0.3538													
36	30.88	0.06	0.3677	0.0430	0.1734	0.1100	0.4710	0.6280	0.0423	0.2480	0.0673	0.3545													
37	31.16	0.06	0.3588	0.0513	0.1872	0.1286	0.4694	0.6268	0.0409	0.2482	0.0652	0.3560													
38	31.44	0.08	0.3476	0.0444	0.1703	0.1270	0.4894	0.6294	0.0411	0.2498	0.0652	0.3565													
39	31.69	0.08	0.3266	0.0441	0.1594	0.1253	0.4875	0.6309	0.0396	0.2494	0.0627	0.3554													
40	31.97	0.08	0.2452	0.0454	0.1077	0.1299	0.4802	0.6341	0.0396	0.2504	0.0624	0.3545													
41	32.23	0.08	0.3461	0.0438	0.1075	0.1257	0.4311	0.6415	0.0393	0.2543	0.0612	0.3562													
42	32.51	0.10	0.4125	0.0530	0.1848	0.1201	0.4708	0.6526	0.0388	0.2591	0.0563	0.3570													
43	32.77	0.05	0.4087	0.0515	0.1827	0.1286	0.4694	0.6630	0.0380	0.2642	0.0542	0.3583													
44	33.02	0.09	0.4048	0.0541	0.1722	0.1330	0.4254	0.6702	0.0348	0.2694	0.0514	0.3584													
45	33.26	0.08	0.3543	0.0488	0.1445	0.1378	0.4089	0.6840	0.0342	0.2727	0.0501	0.3587													
46	33.53	0.07	0.3225	0.0480	0.1353	0.1400	0.4189	0.6842	0.0335	0.2733	0.0490	0.3593													

PAGE 2 OF 3
SHEET 2 OF 4

PART A MISSILE TAILS EFFECTS DATA

TEST PART			FACE	AXIS	PHI	CANF	CEL1	CEL2	CEL3	CEL4	TRANSITION	
1			153	0.90	1.0	0.0	0.10	0.13	0.0	-20	0	-20 UNKNOWN
FLINT	ALPHA	BETA	LNFI	CHI	COL	XCPF1	YCPF1	CNF2	LM2	CO2	ACPF2	YCPF2
47	33.78	0.07	0.2583	0.0383	0.1015	0.1481	0.3730	0.6921	0.0333	0.2765	0.0482	0.3555
48	34.01	0.06	0.2445	0.0375	0.0934	0.1514	0.3700	0.6434	0.0325	0.2776	0.0475	0.4004
49	34.27	0.03	0.2451	0.0354	0.0938	0.1006	0.3626	0.7039	0.0325	0.2811	0.0462	0.3553
50	34.52	0.06	0.2175	0.0410	0.1146	0.1505	0.4137	0.7005	0.0319	0.2826	0.0452	0.3999
51	34.76	0.04	0.2366	0.0374	0.0905	0.1505	0.3791	0.7104	0.0321	0.2835	0.0452	0.3556
52	35.00	0.04	0.1977	0.0322	0.0800	0.1015	0.3594	0.7197	0.0315	0.2875	0.0438	0.3555
53	35.24	0.04	0.2284	0.0351	0.0810	0.1535	0.3540	0.7328	0.0335	0.2931	0.0417	0.4000
54	35.50	0.02	0.1532	0.0276	0.0571	0.1004	0.2410	0.7409	0.0301	0.2956	0.0407	0.3990
55	35.73	0.03	0.1283	0.0220	0.0257	0.1717	0.2316	0.7448	0.0279	0.2565	0.0402	0.3587
56	35.95	0.04	0.0155	0.0000	-0.0240	0.5034	-1.0079	0.7541	0.0297	0.3005	0.0354	0.3985
57	36.19	0.03	0.1007	0.0176	0.0162	0.1750	0.1045	0.7508	0.0291	0.3020	0.0385	0.3991
58	36.44	0.02	0.1114	0.0173	0.0231	0.1505	0.2073	0.7690	0.0290	0.3051	0.0380	0.3551
59	36.65	0.02	0.1200	0.0216	0.0270	0.1802	0.2251	0.7647	0.0265	0.3034	0.0373	0.3568
60	36.91	0.03	0.0042	0.0136	-0.0071	0.2154	-0.1111	0.7692	0.0270	0.3122	0.0355	0.3561
61	37.14	0.02	0.1450	0.0190	0.0332	0.1277	0.3011	0.7712	0.0264	0.3070	0.0365	0.3580
62	37.37	0.04	0.0013	0.0111	0.0034	0.1653	0.0000	0.7540	0.0275	0.3155	0.0347	0.3975
63	37.62	0.05	0.2435	0.0231	0.0155	0.0950	0.4742	0.7739	0.0267	0.3054	0.0371	0.3546
64	37.85	0.03	0.2100	0.0161	0.0000	0.0000	0.4000	0.7850	0.0260	0.3096	0.0358	0.3554
65	38.08	0.03	0.1302	0.0113	0.0061	0.0869	0.3539	0.8012	0.0269	0.3179	0.0336	0.3568
66	38.33	0.07	0.2010	0.0122	0.0093	0.0907	0.4197	0.8103	0.0267	0.3205	0.0310	0.3955
67	38.54	0.03	0.1718	0.0143	0.0075	0.0834	0.4538	0.8059	0.0265	0.3166	0.0335	0.3538
68	38.76	0.07	0.1002	0.0148	0.0045	0.0925	0.4360	0.8143	0.0263	0.3214	0.0323	0.3947
69	39.00	0.02	0.1282	0.0091	0.0010	0.0711	0.4025	0.8065	0.0269	0.3171	0.0334	0.3532
70	39.23	0.03	0.1737	0.0145	0.0073	0.0825	0.4052	0.8195	0.0264	0.3220	0.0323	0.3525
71	39.45	0.04	0.1707	0.0140	0.0080	0.0822	0.4737	0.7999	0.0274	0.3113	0.0365	0.3518
72	39.64	0.02	0.1209	0.0107	0.0050	0.0844	0.3950	0.8274	0.0254	0.3244	0.0307	0.3521
73	39.86	0.02	0.1126	0.0077	0.0042	0.0865	0.3924	0.8221	0.0255	0.3220	0.0315	0.3517
74	40.07	0.03	0.1025	0.0063	0.0045	0.0816	0.4034	0.8171	0.0261	0.3183	0.0320	0.3895
75	40.32	0.04	0.1176	0.0098	0.0055	0.0854	0.4730	0.7975	0.0267	0.3120	0.0335	0.3512
76	40.52	0.02	0.0002	0.0031	0.0000	0.0402	0.3244	0.8392	0.0247	0.3278	0.0255	0.3507
77	40.75	0.01	0.0522	0.0000	0.0035	0.0113	0.4486	0.8196	0.0257	0.3185	0.0314	0.3588
78	40.94	0.02	0.0025	0.0049	0.0000	0.0595	0.4840	0.8275	0.0250	0.3217	0.0310	0.3888
79	41.16	-0.00	0.0005	0.0	0.0193	0.0	0.4709	0.8328	0.0233	0.3226	0.0304	0.3874
80	41.37	0.02	0.0000	-0.0023	0.0114	-0.0895	0.4454	0.8375	0.0240	0.3267	0.0294	0.3900
81	41.55	0.00	0.0073	0.0	0.0105	0.0	0.2227	0.8756	0.0227	0.3407	0.0260	0.3891
82	41.76	0.02	0.0014	0.0002	0.0112	0.0041	0.2321	0.8762	0.0226	0.3429	0.0258	0.3905
83	41.98	0.03	0.0011	0.0012	0.0157	0.0235	0.3063	0.8770	0.0228	0.3404	0.0260	0.3881
84	42.15	0.02	0.0010	0.0025	0.0102	0.0434	0.3147	0.8784	0.0225	0.3400	0.0257	0.3871
85	42.34	0.03	-0.0001	-0.0003	-0.0057	0.7732	0.7060	0.8563	0.0238	0.3312	0.0278	0.3867
86	42.52	0.02	0.0007	0.0002	0.0252	0.0770	0.3222	0.8905	0.0211	0.3466	0.0236	0.3889
87	42.73	0.02	0.0057	0.0057	0.0200	0.0865	0.3043	0.9106	0.0208	0.3565	0.0225	0.3515
88	42.90	0.02	-0.0002	-0.0049	-0.0062	0.2377	0.3079	0.9058	0.0245	0.3268	0.0250	0.3864
89	43.08	0.03	0.0264	0.0	0.0135	0.0	0.3092	0.8868	0.0224	0.3429	0.0234	0.3875
90	43.27	0.02	0.0010	0.0013	0.0254	0.0940	0.3267	0.9095	0.0210	0.3536	0.0231	0.3888
91	43.45	0.03	0.0545	0.0037	0.0202	0.0674	0.3673	0.8975	0.0211	0.3470	0.0235	0.3865
92	43.63	0.02	0.0135	0.0008	0.0275	0.0922	0.3725	0.9213	0.0201	0.3504	0.0218	0.3868

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST 7	PART 153	MACT 0.90	RAIC-6 1.7	PHI C.C	CONF 010UFI3	E C.C	DEL1 0	DEL2 -20	DEL3 0	DEL4 -20	TRANSITION UNKNOWN		
PCINT	ALPHA	BETA	CONF1	CH1	CS1	XCFF1	YCPF1	CONF2	CH2	CH2	XCFF2	YCPF2	
93	43.75	0.02	C.C6C5	C.CJ357	0.0155	C.C544	0.2624	J.9473	0.0190	0.3682	0.0201	0.3887	
94	43.50	0.03	C.C1C0	C.CJ002	0.0044	C.C2C0	0.4414	J.9135	0.0204	0.3527	C.C224	0.3861	
95	44.10	0.00	0.0240	C.CC34	-0.0013	C.C1417	-0.0027	0.9498	0.0188	0.3701	0.C158	C.3E97	
96	44.50	-0.00	0.1043	C.C1C0	C.C22C	C.C1776	0.2106	J.9754	0.0177	0.3799	0.0181	0.3677	
97	44.50	-0.01	-0.0073	C.CC56	-0.0005	C.C474	0.3434	J.9303	0.0205	0.3615	0.0219	0.3885	
98	44.72	0.01	-0.0050	C.C1C0	-0.0031	C.C231	0.3450	0.4383	0.0201	0.3623	0.C215	0.3861	
99	44.52	0.01	-0.0775	C.CJ1C0	-0.0000	C.C293	0.6050	J.9513	0.0154	0.3678	0.0204	0.3866	
100	45.00	0.02	-0.1083	C.C1C0	-0.0000	C.C354	0.5019	J.9403	0.0194	0.3641	0.C2C5	0.3848	
101	45.20	0.03	-0.0090	C.C11C	-0.0073	0.1397	0.6356	0.9814	0.0176	0.3604	0.C16C	C.3876	
102	45.40	0.04	-0.1501	C.C213	-0.0012	0.1438	0.4797	0.9390	0.0194	0.3614	0.0207	C.3845	
103	45.63	-0.00	-J.1034	-0.0240	-0.0001	C.C1470	0.5265	0.9553	0.0192	0.3692	0.0201	0.3865	
104	45.61	0.01	0.0031	C.CC6C	-0.0000	C.C1508	-0.1800	1.0100	0.0183	0.3517	0.0162	0.3878	
105	45.50	-0.03	-0.1083	C.CJ171	-0.0000	C.C1581	0.8110	J.9401	0.0173	0.3838	C.C175	0.3876	
106	46.10	-0.00	-0.0045	C.CC04	-0.0000	-0.0001	0.3530	1.0058	0.0186	0.3804	0.C165	C.3868	
107	46.33	-0.00	-0.2250	C.C350	-0.1134	0.1610	0.5114	0.9901	0.0182	0.3832	0.0184	0.3670	
108	46.51	-0.01	-0.1102	C.C174	-0.0075	0.1581	0.6052	1.0008	0.0188	0.3807	0.0167	0.3646	
109	46.00	-0.01	-0.1444	-0.0227	-0.0011	0.1589	0.5598	1.0109	0.0170	0.3515	0.0168	0.3877	
110	46.00	-0.02	-0.1555	-0.0314	-0.0075	0.1578	0.5390	1.0315	0.0176	0.3867	C.C176	0.3861	
111	47.03	0.00	-0.1015	-0.0208	-0.0000	C.C1657	0.5555	1.0367	0.0172	0.3891	C.C171	0.3865	
112	47.21	0.01	-0.1714	-0.0273	-0.0025	0.1541	0.5257	1.0199	0.0165	0.3534	0.C162	0.3657	
113	47.35	0.01	-0.1707	-0.0275	-0.0097	0.1602	0.5254	1.0107	0.0174	0.3505	0.C172	C.3864	
114	47.55	0.02	-0.1224	-0.0201	-0.0070	0.1595	0.5025	1.0325	0.0183	0.3577	0.0158	C.3652	
115	47.75	0.00	-0.2200	-0.0355	-0.0003	0.1624	0.4810	1.0306	0.0170	0.3865	0.0169	0.3843	
116	47.51	0.01	-0.0491	-0.0434	-0.1015	0.1741	0.4093	1.0376	0.0162	0.4016	0.0156	0.3870	
117	48.00	0.03	-0.1357	-0.0245	-0.0053	0.1536	0.5588	1.0310	0.0168	0.3508	C.C161	0.3849	
118	48.21	0.05	-0.0009	-0.0403	-0.1081	0.1720	0.4704	1.0427	0.0154	0.4020	0.0148	C.3850	
119	48.43	0.05	-0.2400	-0.0455	-0.1220	0.1648	0.4959	1.0453	0.0154	0.4021	0.C148	C.3847	
120	48.00	0.02	-0.2547	-0.0510	-0.1075	0.1603	0.4925	1.0516	0.0130	0.4040	0.C131	0.3641	
121	48.79	0.03	-0.2201	-0.0456	-0.1105	0.2079	0.5037	1.0595	0.0136	0.4058	0.C125	0.3830	
122	48.50	0.00	-0.2301	-0.0524	-0.1171	0.2257	0.5040	1.0643	0.0122	0.4174	0.C113	0.3850	
123	45.15	0.05	-0.1085	-0.0340	-0.1010	0.2057	0.6032	1.0556	0.0121	0.4031	0.C115	0.3818	
124	49.30	0.05	-0.1376	-0.0332	-0.0004	0.2410	0.6275	1.0734	0.0112	0.4007	0.C104	0.3807	
125	49.55	0.10	-0.1045	-0.0300	-0.1034	0.1592	0.5607	1.0655	0.0114	0.4072	C.C107	C.3821	
126	49.09	0.10	-0.1001	-0.0301	-0.0000	0.2428	0.5201	1.0612	0.0111	0.4000	C.C105	0.3820	
127	49.91	0.02	-0.1063	-0.0375	-0.0011	0.3501	0.6688	1.1040	0.0093	0.4204	0.0084	0.3800	
128	50.17	0.00	-0.1000	-0.0305	-0.0075	0.3855	0.6075	1.1022	0.0091	0.4154	0.0083	0.3805	
129	50.28	0.00	-0.0834	-0.0333	-0.0011	0.4000	0.7322	1.1051	0.0088	0.4157	0.0080	0.3758	
130	50.43	0.00	-0.0443	-0.0320	-0.0075	0.5346	1.1218	1.0668	0.0089	0.4102	0.0082	0.3774	
131	50.55	0.05	-0.0371	-0.0322	-0.0053	0.6526	1.1277	1.0658	0.0082	0.4103	0.0076	0.3775	
132	50.70	0.00	-0.0301	-0.0324	-0.0007	0.6208	1.3470	1.0827	0.0078	0.4095	0.0072	0.3782	
133	50.95	0.04	-0.0130	-0.0101	-0.0037	1.3930	3.0682	1.0765	0.0080	0.4063	0.0074	0.3767	
134	51.11	0.04	-0.0059	-0.0255	-0.0000	0.2000	0.6514	1.0774	0.0080	0.4067	0.0074	0.3775	
135	51.30	0.01	-0.1101	-0.0323	-0.0000	0.1976	0.7515	1.0543	0.0091	0.3551	0.0086	0.3748	
136	51.45	0.00	-0.1002	-0.0323	-0.0054	0.1850	0.7434	1.0371	0.0098	0.3881	0.0095	0.3742	
137	51.60	0.00	-0.0594	-0.0178	-0.0003	0.1793	0.8062	1.0548	0.0080	0.3967	C.CC76	0.3761	
138	51.85	0.04	-0.0515	-0.0053	-0.0050	0.1807	1.1571	1.0537	0.0082	0.3954	C.0078	0.3753	

PAGE 2 OF 3
SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH FXIC-6			PH1	CNF1	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
1 153 0.50 1.7			0.0	0.10	0.13	0.0	-20	0	-20	UNKNOWN		
FCANT	ALPHA	BETA	CNF1	Cnf1	Cb1	ALPF1	YCFF1	CNF2	CM2	CB2	ALPF2	YCFF2
139	52.00	0.07	-0.0045	-0.0105	-0.0311	1.9101	5.6344	1.0532	0.0090	0.3956	0.0086	0.3757
140	52.13	0.07	-0.0010	-0.0137	-0.0405	0.4422	1.2477	1.0418	0.0096	0.3403	0.0092	0.3746
141	52.33	0.04	-0.0122	-0.0074	-0.0347	0.0069	2.6451	1.0626	0.0076	0.3569	0.0072	0.3738
142	52.48	0.06	-0.0024	-0.0060	-0.0270	2.0524	7.1253	1.0600	0.0063	0.3461	0.0070	0.3737
143	52.64	0.05	-0.0035	-0.0130	-0.0332	0.5442	1.3894	1.0666	0.0062	0.3565	0.0077	0.3725
144	52.82	0.05	-0.0004	-0.0070	-0.0212	14.5104	24.9100	1.0695	0.0062	0.4001	0.0075	0.3742
145	52.98	0.07	0.0000	-0.0000	-0.0134	-0.7504	-1.5162	1.0615	0.0086	0.4036	0.0080	0.3733
146	53.14	0.03	0.0169	-0.0071	-0.0054	-0.4559	-0.3205	1.0655	0.0070	0.4049	0.0072	0.3724
147	53.30	0.07	0.0108	-0.0030	-0.0117	-0.5373	-1.0866	1.0698	0.0077	0.3570	0.0072	0.3711
148	53.47	0.05	-0.0010	-0.0107	-0.0245	0.5070	1.1056	1.0666	0.0070	0.3701	0.0073	0.3726
149	53.62	0.06	0.0034	-0.0030	-0.0108	-1.1132	-3.1866	1.0849	0.0070	0.4033	0.0065	0.3717
150	53.80	0.06	-0.0121	-0.0074	-0.0214	0.6119	1.8074	1.1171	0.0056	0.4150	0.0050	0.3715
151	53.94	0.00	0.0099	-0.0015	-0.0013	-0.0509	0.0542	1.0940	0.0064	0.4055	0.0055	0.3706
152	54.10	0.05	0.0044	-0.0040	-0.0057	-0.4006	-2.2116	1.0992	0.0059	0.4070	0.0054	0.3704
153	54.25	0.00	0.0344	0.0026	-0.0008	0.0750	-0.0233	1.1060	0.0056	0.4050	0.0051	0.3698
154	54.42	0.00	0.0100	0.0007	-0.0002	0.0001	-0.5360	1.0049	0.0057	0.4017	0.0053	0.3703
155	54.57	0.03	0.0251	0.0056	-0.0032	0.2232	-0.1279	1.1041	0.0053	0.4054	0.0048	0.3708
156	54.72	0.00	0.0313	0.0007	-0.0017	0.2142	0.0045	1.0960	0.0051	0.4000	0.0047	0.3705
157	54.88	0.00	0.0248	0.0058	-0.0002	0.2356	-0.0382	1.0982	0.0043	0.4061	0.0039	0.3698
158	55.04	0.07	0.0302	0.0000	-0.0007	0.2305	0.2205	1.1003	0.0040	0.4118	0.0036	0.3715
159	55.19	0.07	0.0372	0.0005	-0.0070	0.2094	0.2050	1.1032	0.0038	0.4105	0.0036	0.3721
160	55.33	0.04	0.0000	0.0074	0.0011	0.0414	0.1254	1.0700	0.0057	0.3960	0.0053	0.3697
161	55.48	0.06	0.0154	0.0041	-0.0021	0.2580	0.1325	1.0772	0.0043	0.3958	0.0040	0.3703
162	55.60	0.00	0.0245	0.0007	-0.0000	0.2692	0.4271	1.0940	0.0044	0.4001	0.0040	0.3712
163	55.83	0.07	0.0359	0.0000	0.0155	0.1839	0.4303	1.1046	0.0027	0.4056	0.0026	0.3707
164	55.90	0.02	0.0351	0.0000	0.0100	0.1495	0.5425	1.1004	0.0036	0.4102	0.0033	0.3728
165	56.11	0.05	0.0000	0.0024	-0.0005	4.0021	14.6308	1.0736	0.0041	0.3976	0.0038	0.3702
166	56.28	0.02	0.0064	0.0050	-0.0000	0.0755	1.3400	1.0992	0.0035	0.4005	0.0032	0.3716
167	56.44	0.06	0.0255	0.0073	0.0102	0.2820	0.7011	1.1020	0.0035	0.4055	0.0032	0.3718
168	56.59	0.03	0.0000	0.0034	0.0003	5.0047	15.0776	1.1123	0.0025	0.4141	0.0023	0.3723
169	56.74	0.03	-0.0012	0.0025	0.0119	-2.4179	-9.9484	1.1175	0.0026	0.4158	0.0023	0.3721
170	56.89	0.02	-0.0120	0.0012	0.0071	-0.1001	-0.5052	1.0829	0.0037	0.4011	0.0034	0.3704
171	57.03	0.01	-0.0009	0.0050	-0.0105	-0.7250	-2.3344	1.0896	0.0034	0.4031	0.0031	0.3708
172	57.17	-0.03	-0.0201	0.0007	0.0000	-0.0200	-0.2300	1.0801	0.0035	0.4054	0.0032	0.3725
173	57.33	0.00	-0.0227	0.0042	0.0118	-0.1051	-0.5219	1.0986	0.0028	0.4077	0.0026	0.3711
174	57.48	0.03	-0.0115	0.0020	0.0101	-0.1740	-0.6011	1.1448	0.0011	0.4275	0.0010	0.3734
175	57.62	-0.05	-0.0105	0.0024	0.0090	-0.1298	-0.4380	1.1439	0.0017	0.4299	0.0019	0.3720
176	57.77	-0.00	-0.0130	0.0006	0.0036	-0.0435	-0.2762	1.1622	0.0007	0.4310	0.0006	0.3708
177	57.92	-0.10	-0.0255	-0.0031	-0.0091	0.1216	0.3580	1.1636	0.0004	0.4307	0.0003	0.3701
178	58.07	-0.10	-0.0103	0.0	-0.0021	0.0	0.2045	1.1494	0.0002	0.4290	0.0002	0.3689
179	58.15	-0.00	-0.0117	-0.0017	-0.0000	0.1454	0.0514	1.1520	0.0003	0.4292	0.0003	0.3691

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	NO. 10-6	PHI	CCNF	1	CEL1	DEL2	CEL3	CEL4	TRANSITION		
7	153	0.50	1.07	0.00	0.100F13	0.0	0	-20	0	-20	UNKNOWN	
FLINT	ALPHA	BETA	CMF3	CM3	CM3	ALPH3	YLPF3	CMF4	CM4	CM4	XCOP4	YCPF4
1	-5.72	0.01	0.0023	5.5555	0.0023	5.5555	1.0032	-0.7314	-0.0251	-0.2920	0.0344	0.3592
2	-5.71	0.02	0.0022	5.5555	0.0020	5.5555	1.0000	-0.7213	-0.0264	-0.2800	0.0367	0.3573
3	-5.71	0.01	-0.0037	5.5555	0.0000	5.5555	-0.72109	-0.7355	-0.0252	-0.2535	0.0343	0.3998
4	-5.69	0.02	0.0041	5.5555	0.0034	5.5555	0.7207	-0.7201	-0.0200	-0.2372	0.0362	0.3988
5	-4.77	0.03	0.0522	5.5555	0.0222	5.5555	0.4503	-0.7301	-0.0200	-0.2818	0.0377	0.3550
6	-2.97	0.02	0.0021	5.5555	0.0055	5.5555	2.0274	-0.0204	-0.0202	-0.3440	0.0306	0.4017
7	-1.22	0.02	-0.0035	5.5555	0.0030	5.5555	-0.7717	-0.0344	-0.0304	-0.3352	0.0365	0.4015
8	0.04	0.01	0.0000	5.5555	0.0004	5.5555	0.0250	-0.7700	-0.0372	-0.3091	0.0477	0.3560
9	2.41	0.02	-0.0030	5.5555	0.0077	5.5555	-2.5749	-0.7355	-0.0453	-0.2518	0.0670	0.3565
10	4.17	0.02	-0.0000	5.5555	0.0000	5.5555	-1.0032	-0.0709	-0.0510	-0.2730	0.0769	0.4078
11	5.90	0.02	-0.0016	5.5555	0.0075	5.5555	-0.0032	-0.0571	-0.0538	-0.2373	0.0541	0.4151
12	7.81	0.02	-0.0017	5.5555	0.0053	5.5555	-0.2043	-0.4650	-0.0521	-0.1540	0.1118	0.4287
13	9.56	0.01	-0.0017	5.5555	0.0003	5.5555	-0.3551	-0.3075	-0.0452	-0.1303	0.1469	0.4431
14	11.45	0.02	-0.0025	5.5555	0.0050	5.5555	-0.2042	-0.1744	-0.0253	-0.0003	0.1030	0.4479
15	13.25	0.02	-0.0015	5.5555	0.0056	5.5555	-0.4475	-0.0735	-0.0039	-0.0370	0.1213	0.5030
16	15.13	0.02	0.0007	5.5555	0.0003	5.5555	1.0240	0.0000	0.0173	-0.0021	0.0400	-0.3762
17	17.05	0.02	-0.0004	5.5555	0.0053	5.5555	-13.2924	0.1111	0.0455	0.0413	0.4453	0.3715
18	18.54	0.01	0.0002	5.5555	0.0005	5.5555	0.0000	0.0377	0.0350	0.0779	0.0427	0.3304
19	20.84	0.00	-0.0012	5.5555	0.0023	5.5555	-0.2060	0.3701	0.0980	0.1555	0.2000	0.4135
20	22.74	0.00	-0.0001	5.5555	-0.0003	5.5555	0.2100	0.5324	0.1003	0.2200	0.1883	0.4279
21	24.63	0.02	-0.0017	5.5555	-0.0000	5.5555	0.4900	0.5107	0.0712	0.2071	0.1354	0.4050
22	26.55	0.01	0.0000	5.5555	-0.0010	5.5555	-0.2000	0.5005	0.0000	0.2315	0.1245	0.4138
23	27.92	0.00	0.0010	5.5555	0.0000	5.5555	0.3495	0.5059	0.0735	0.2416	0.1299	0.4265
24	27.92	0.03	0.0016	5.5555	0.0005	5.5555	0.3015	0.5554	0.0007	0.2305	0.1139	0.4227
25	27.52	0.03	0.0027	5.5555	0.0004	5.5555	0.3200	0.5600	0.0000	0.2401	0.1178	0.4287
26	27.54	0.03	0.0010	5.5555	0.0005	5.5555	0.3019	0.5520	0.0025	0.2377	0.1131	0.4301
27	26.34	0.05	0.0000	5.5555	0.0017	5.5555	0.3200	0.5635	0.0056	0.2440	0.1163	0.4338
28	26.00	0.05	0.0000	5.5555	0.0010	5.5555	0.3505	0.5604	0.0092	0.2425	0.1056	0.4334
29	26.89	0.05	0.0000	5.5555	0.0010	5.5555	0.3200	0.5609	0.0079	0.2442	0.1032	0.4354
30	26.23	0.00	0.0000	5.5555	0.0007	5.5555	0.3300	0.5501	0.0079	0.2436	0.1037	0.4361
31	25.51	0.05	0.0001	5.5555	0.0012	5.5555	0.3303	0.5675	0.0036	0.2475	0.0944	0.4361
32	29.79	0.05	0.0000	5.5555	0.0010	5.5555	0.3257	0.5557	0.0020	0.2450	0.0935	0.4387
33	30.06	0.05	0.0000	5.5555	0.0010	5.5555	0.3202	0.5058	0.0417	0.2472	0.0886	0.4408
34	30.33	0.05	0.0000	5.5555	0.0010	5.5555	0.3015	0.5045	0.0403	0.2405	0.0870	0.4446
35	30.61	0.00	0.0001	5.5555	0.0011	5.5555	0.3005	0.5467	0.0473	0.2443	0.0865	0.4469
36	30.08	0.00	0.0000	5.5555	0.0013	5.5555	0.2437	0.5508	0.0472	0.2402	0.0856	0.4470
37	31.16	0.08	0.0025	5.5555	0.0012	5.5555	0.3432	0.5574	0.0447	0.2507	0.0801	0.4458
38	31.44	0.00	0.0000	5.5555	0.0012	5.5555	0.3405	0.5070	0.0431	0.2505	0.0759	0.4502
39	31.65	0.00	0.0000	5.5555	0.0013	5.5555	0.3251	0.5734	0.0426	0.2595	0.0742	0.4523
40	31.47	0.00	0.0000	5.5555	0.0012	5.5555	0.3035	0.5742	0.0427	0.2552	0.0743	0.4513
41	32.23	0.00	0.0000	5.5555	0.0012	5.5555	0.3365	0.5812	0.0425	0.2625	0.0731	0.4523
42	32.51	0.10	0.0020	5.5555	0.0011	5.5555	0.3738	0.5801	0.0421	0.2600	0.0720	0.4530
43	32.77	0.05	0.0025	5.5555	0.0010	5.5555	0.3291	0.5830	0.0416	0.2653	0.0713	0.4550
44	33.02	0.05	0.0020	5.5555	0.0010	5.5555	0.3401	0.5813	0.0414	0.2644	0.0699	0.4556
45	33.26	0.00	0.0010	5.5555	0.0015	5.5555	0.3454	0.5842	0.0419	0.2604	0.0717	0.4560
46	33.53	0.07	0.0001	5.5555	0.0010	5.5555	0.3411	0.5804	0.0398	0.2718	0.0667	0.4557

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			MACF	AXIC-E	PHI	CNCF	C	DECI	DEI2	DEI3	DEI4	TRANSITION
7			153	0.50	1.7	0.0	0.0	0	-20	0	-20	UNKNOWN
FLINT	ALPHA	BETA	CNCF	CHS	LOS	XCFF3	YCFF3	CNF4	CF4	CB4	XCFF4	YCFF4
47	33.78	0.07	0.0527	5.5555	0.0172	5.5555	0.3369	0.5935	0.0332	0.2707	0.0677	0.4561
48	34.01	0.06	0.0443	5.5555	0.0145	5.5555	0.3221	0.6078	0.0334	0.2770	0.0635	0.4558
49	34.27	0.03	0.0354	5.5555	0.0112	5.5555	0.2726	0.6148	0.0384	0.2803	0.0624	0.4560
50	34.52	0.06	0.0455	5.5555	0.0152	5.5555	0.3329	0.6218	0.0382	0.2837	0.0614	0.4562
51	34.76	0.04	0.0455	5.5555	0.0145	5.5555	0.3263	0.6192	0.0375	0.2826	0.0611	0.4564
52	35.00	0.04	0.0420	5.5555	0.0131	5.5555	0.3105	0.6275	0.0377	0.2870	0.0600	0.4574
53	35.24	0.04	0.0527	5.5555	0.0172	5.5555	0.3369	0.6388	0.0374	0.2905	0.0585	0.4545
54	35.50	0.02	0.0431	5.5555	0.0134	5.5555	0.3096	0.6461	0.0368	0.2942	0.0565	0.4554
55	35.73	0.03	0.0407	5.5555	0.0133	5.5555	0.3254	0.6477	0.0363	0.2959	0.0560	0.4565
56	35.95	0.04	0.0416	5.5555	0.0130	5.5555	0.3096	0.6574	0.0356	0.2996	0.0540	0.4554
57	36.19	0.03	0.0355	5.5555	0.0104	5.5555	0.2706	0.6620	0.0355	0.3018	0.0536	0.4555
58	36.44	0.02	0.0287	5.5555	0.0075	5.5555	0.2022	0.6858	0.0344	0.3103	0.0502	0.4524
59	36.65	0.02	0.0245	5.5555	0.0140	5.5555	0.3250	0.6720	0.0351	0.3063	0.0522	0.4557
60	36.91	0.03	0.0244	5.5555	0.0084	5.5555	0.2432	0.6775	0.0344	0.3082	0.0514	0.4548
61	37.14	0.02	0.0227	5.5555	0.0081	5.5555	0.2831	0.6983	0.0340	0.3162	0.0488	0.4528
62	37.37	0.04	0.0322	5.5555	0.0095	5.5555	0.3084	0.7000	0.0336	0.3203	0.0475	0.4524
63	37.62	0.05	0.0356	5.5555	0.0107	5.5555	0.2995	0.7235	0.0326	0.3277	0.0451	0.4530
64	37.83	0.03	0.0404	5.5555	0.0143	5.5555	0.3370	0.7204	0.0326	0.3287	0.0449	0.4526
65	38.08	0.03	0.0357	5.5555	0.0110	5.5555	0.3051	0.7265	0.0323	0.3280	0.0443	0.4516
66	38.33	0.01	0.0352	5.5555	0.0130	5.5555	0.3035	0.7417	0.0317	0.3345	0.0428	0.4510
67	38.54	0.03	0.0321	5.5555	0.0126	5.5555	0.3344	0.7474	0.0311	0.3374	0.0417	0.4514
68	38.76	0.07	0.0450	5.5555	0.0173	5.5555	0.3634	0.7514	0.0311	0.3386	0.0415	0.4506
69	39.00	0.02	0.0375	5.5555	0.0147	5.5555	0.3365	0.7563	0.0309	0.3416	0.0408	0.4505
70	39.23	0.03	0.0370	5.5555	0.0155	5.5555	0.4193	0.7623	0.0305	0.3439	0.0399	0.4494
71	39.43	0.04	0.0280	5.5555	0.0105	5.5555	0.4351	0.7655	0.0300	0.3455	0.0392	0.4514
72	39.64	0.02	0.0235	5.5555	0.0110	5.5555	0.4096	0.7670	0.0298	0.3454	0.0389	0.4503
73	39.86	0.02	0.0341	5.5555	0.0164	5.5555	0.4795	0.7781	0.0293	0.3506	0.0377	0.4506
74	40.07	0.03	0.0282	5.5555	0.0135	5.5555	0.4767	0.7820	0.0287	0.3560	0.0363	0.4502
75	40.32	0.04	0.0135	5.5555	0.0052	5.5555	0.6040	0.7920	0.0284	0.3563	0.0359	0.4498
76	40.52	0.02	0.0156	5.5555	0.0117	5.5555	0.5728	0.7906	0.0280	0.3555	0.0362	0.4496
77	40.75	0.01	0.0140	5.5555	0.0055	5.5555	0.6377	0.8056	0.0278	0.3613	0.0346	0.4484
78	40.94	0.02	0.0115	5.5555	0.0091	5.5555	0.7936	0.8043	0.0277	0.3616	0.0345	0.4495
79	41.16	-0.06	0.0162	5.5555	0.0112	5.5555	0.6936	0.8095	0.0274	0.3632	0.0335	0.4488
80	41.37	0.02	0.0075	5.5555	0.0080	5.5555	1.0521	0.8102	0.0270	0.3662	0.0330	0.4475
81	41.55	0.00	0.0221	5.5555	0.0157	5.5555	0.5569	0.8182	0.0271	0.3666	0.0332	0.4480
82	41.76	0.02	0.0051	5.5555	0.0071	5.5555	2.2976	0.8183	0.0269	0.3672	0.0325	0.4487
83	41.96	0.03	0.0035	5.5555	0.0030	5.5555	0.9200	0.8336	0.0263	0.3729	0.0316	0.4474
84	42.15	0.02	0.0251	5.5555	0.0100	5.5555	0.6376	0.8448	0.0259	0.3780	0.0307	0.4475
85	42.34	0.02	0.0126	5.5555	0.0113	5.5555	0.8997	0.8435	0.0255	0.3762	0.0303	0.4461
86	42.52	0.02	0.0125	5.5555	0.0133	5.5555	0.7156	0.8503	0.0255	0.3796	0.0300	0.4464
87	42.73	0.02	-0.0004	5.5555	0.0060	5.5555	15.9999	0.8572	0.0250	0.3831	0.0292	0.4465
88	42.90	0.02	-0.0051	5.5555	0.0135	5.5555	-0.6885	0.8584	0.0254	0.3818	0.0296	0.4447
89	43.08	0.03	0.0232	5.5555	0.0135	5.5555	0.6639	0.8626	0.0251	0.3890	0.0291	0.4463
90	43.27	0.02	0.0162	5.5555	0.0115	5.5555	0.7309	0.8627	0.0248	0.3847	0.0288	0.4459
91	43.45	0.03	0.0173	5.5555	0.0136	5.5555	0.7828	0.8753	0.0241	0.3906	0.0276	0.4462
92	43.63	0.02	0.0031	5.5555	0.0060	5.5555	2.5889	0.8822	0.0236	0.3934	0.0270	0.4457

PAGE 3 OF 3
SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART MACH RTIC-6				PHI	CNPF	L	CELL	DEL2	CFL3	DEL4	TRANSITION	
7 153 G.5C 1.7				G.C	0.10CFL3	G.0	U	-20	J	-20	UNKNOWN	
PCNT	ALPHA	BETA	CNPF	CN3	CN3	XCPF3	YCPF3	CNPF4	CN4	CN4	XCPF4	YCPF4
93	43.75	0.02	0.0137	0.5555	0.0125	0.5555	0.9080	0.8608	0.0238	0.3928	0.0271	0.4460
94	43.50	0.03	0.0020	0.5555	0.0155	0.5555	1.4440	0.8042	0.0237	0.3925	0.0265	0.4449
95	44.18	0.00	0.0042	0.5555	0.0087	0.5555	2.0781	0.8959	0.0235	0.3952	0.0263	0.4456
96	44.30	-0.00	0.0114	0.5555	0.0110	0.5555	1.0208	0.8806	0.0242	0.3937	0.0275	0.4471
97	44.54	-0.01	0.0051	0.5555	0.0050	0.5555	0.9922	0.9056	0.0229	0.4025	0.0253	0.4445
98	44.72	0.01	0.0122	0.5555	0.0120	0.5555	0.7741	0.9153	0.0220	0.4037	0.0247	0.4432
99	44.92	0.01	0.0050	0.5555	0.0100	0.5555	1.1015	0.9140	0.0224	0.4060	0.0245	0.4441
100	45.04	0.02	0.0105	0.5555	0.0137	0.5555	0.7375	0.9103	0.0214	0.4061	0.0239	0.4444
101	45.28	0.03	0.0050	0.5555	0.0100	0.5555	1.1815	0.9160	0.0224	0.4080	0.0244	0.4444
102	45.40	0.04	0.0145	0.5555	0.0141	0.5555	0.9426	0.9141	0.0220	0.4054	0.0241	0.4434
103	45.63	-0.00	0.0015	0.5555	0.0074	0.5555	3.9072	0.9154	0.0221	0.4058	0.0242	0.4432
104	45.81	0.01	0.0032	0.5555	0.0174	0.5555	0.7481	0.9100	0.0222	0.4063	0.0242	0.4453
105	45.98	-0.03	-0.0005	0.5555	0.0069	0.5555	-13.8442	0.9362	0.0210	0.4149	0.0225	0.4432
106	46.10	-0.00	0.0075	0.5555	0.0180	0.5555	0.8052	0.9224	0.0218	0.4042	0.0237	0.4437
107	46.33	-0.00	0.0075	0.5555	0.0085	0.5555	1.1302	0.9250	0.0215	0.4125	0.0236	0.4444
108	46.51	-0.01	0.0050	0.5555	0.0100	0.5555	1.1015	0.9221	0.0220	0.4063	0.0239	0.4438
109	46.68	-0.01	0.0050	0.5555	0.0100	0.5555	1.1815	0.9387	0.0216	0.4160	0.0230	0.4432
110	46.86	-0.02	0.0102	0.5555	0.0103	0.5555	1.0130	0.9201	0.0220	0.4118	0.0238	0.4446
111	47.03	0.00	0.0042	0.5555	0.0087	0.5555	2.0701	0.9402	0.0209	0.4168	0.0223	0.4433
112	47.21	0.01	0.0042	0.5555	0.0101	0.5555	1.5352	0.9354	0.0215	0.4155	0.0230	0.4440
113	47.35	0.01	0.0047	0.5555	0.0085	0.5555	1.2727	0.9455	0.0212	0.4189	0.0225	0.4431
114	47.55	0.02	0.0137	0.5555	0.0125	0.5555	0.9080	0.9619	0.0203	0.4254	0.0211	0.4423
115	47.73	0.00	0.0145	0.5555	0.0135	0.5555	0.9922	0.9511	0.0202	0.4202	0.0213	0.4418
116	47.94	0.01	0.0115	0.5555	0.0080	0.5555	4.2240	0.9507	0.0213	0.4211	0.0224	0.4430
117	48.06	0.03	0.0102	0.5555	0.0103	0.5555	1.0130	0.9674	0.0197	0.4280	0.0204	0.4424
118	48.27	0.05	0.0042	0.5555	0.0087	0.5555	2.0701	0.9477	0.0214	0.4154	0.0226	0.4426
119	48.43	0.05	0.0043	0.5555	0.0075	0.5555	1.7498	0.9492	0.0213	0.4211	0.0225	0.4437
120	48.60	0.02	0.0054	0.5555	0.0080	0.5555	1.0348	0.9410	0.0214	0.4102	0.0233	0.4451
121	48.75	0.03	0.0007	0.5555	0.0060	0.5555	9.4587	0.9406	0.0217	0.4181	0.0231	0.4445
122	48.90	0.00	0.0055	0.5555	0.0060	0.5555	1.6051	0.9269	0.0220	0.4153	0.0238	0.4455
123	49.15	0.00	0.0145	0.5555	0.0121	0.5555	0.8147	0.9190	0.0205	0.4086	0.0223	0.4446
124	49.32	0.05	0.0042	0.5555	0.0147	0.5555	0.7342	0.9120	0.0206	0.4063	0.0228	0.4454
125	49.53	0.10	0.0055	0.5555	0.0162	0.5555	0.6354	0.9231	0.0200	0.4108	0.0217	0.4450
126	49.65	0.10	0.0145	0.5555	0.0155	0.5555	0.7923	0.9212	0.0210	0.4052	0.0228	0.4442
127	49.91	0.02	0.0160	0.5555	0.0128	0.5555	0.7963	0.9101	0.0217	0.4040	0.0235	0.4438
128	50.07	0.06	0.0160	0.5555	0.0131	0.5555	0.8151	0.9141	0.0214	0.4043	0.0234	0.4422
129	50.26	0.00	0.0218	0.5555	0.0163	0.5555	0.7655	0.9315	0.0217	0.4100	0.0233	0.4408
130	50.43	0.00	0.0231	0.5555	0.0154	0.5555	0.8045	0.9318	0.0204	0.4110	0.0219	0.4417
131	50.59	0.05	0.0215	0.5555	0.0150	0.5555	0.7100	0.9265	0.0206	0.4090	0.0224	0.4403
132	50.70	0.06	0.0060	0.5555	0.0171	0.5555	0.8011	0.9330	0.0204	0.4120	0.0219	0.4422
133	50.93	0.04	0.0171	0.5555	0.0135	0.5555	0.7861	0.9259	0.0206	0.4084	0.0223	0.4410
134	51.11	0.04	0.0160	0.5555	0.0131	0.5555	0.8151	0.9493	0.0198	0.4105	0.0205	0.4413
135	51.30	0.01	0.0145	0.5555	0.0150	0.5555	0.8825	0.9412	0.0198	0.4168	0.0211	0.4429
136	51.45	0.06	0.0171	0.5555	0.0132	0.5555	0.7005	0.9532	0.0195	0.4204	0.0205	0.4411
137	51.66	0.06	0.0205	0.5555	0.0167	0.5555	0.8123	0.9491	0.0192	0.4166	0.0203	0.4411
138	51.83	0.04	0.0200	0.5555	0.0151	0.5555	0.6018	0.9470	0.0184	0.4184	0.0200	0.4415

PAGE 3 OF 3
 SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART	MACH FXIC-6		PHI	CONF		DEL1	DEL2	DEL3	DEL4 TRANSITION		XCPF4	YCPF4
	7	153 G-40 1.7		G-0	0.100113	G-0	0	-20	0	-20	UNKNOWN	
PLANT	ALPHA	BETA	CNF3	CNF4	CNF5	XLFF3	YLFF3	CNF4	CNF5	CNF6	CNF7	CNF8
139	52.00	0.07	0.0194	0.9955	0.0142	0.9955	0.7291	0.9176	0.0195	0.4045	0.0213	0.4408
140	52.13	0.04	0.0322	0.9955	0.0211	0.9955	0.6743	0.9300	0.0168	0.4085	0.0202	0.4352
141	52.33	0.04	0.0203	0.9955	0.0164	0.9955	0.7577	0.9440	0.0186	0.4167	0.0196	0.4391
142	52.46	0.06	0.0335	0.9955	0.0206	0.9955	0.6135	0.9368	0.0186	0.4105	0.0201	0.4362
143	52.64	0.04	0.0287	0.9955	0.0196	0.9955	0.6806	0.9405	0.0192	0.4121	0.0205	0.4382
144	52.82	0.10	0.0557	0.9955	0.0225	0.9955	0.6245	0.9445	0.0191	0.4157	0.0201	0.4376
145	52.98	0.07	0.0264	0.9955	0.0163	0.9955	0.6716	0.9446	0.0164	0.4141	0.0195	0.4383
146	53.14	0.06	0.0322	0.9955	0.0208	0.9955	0.6445	0.9352	0.0165	0.4042	0.0202	0.4357
147	53.30	0.07	0.0252	0.9955	0.0182	0.9955	0.7206	0.9516	0.0177	0.4151	0.0186	0.4362
148	53.49	0.09	0.0296	0.9955	0.0216	0.9955	0.7036	0.9473	0.0162	0.4134	0.0192	0.4364
149	53.62	0.06	0.0252	0.9955	0.0175	0.9955	0.7368	0.9516	0.0171	0.4145	0.0180	0.4366
150	53.80	0.10	0.0221	0.9955	0.0176	0.9955	0.7706	0.9603	0.0173	0.4213	0.0179	0.4366
151	53.94	0.06	0.0258	0.9955	0.0206	0.9955	0.6699	0.9586	0.0167	0.4165	0.0175	0.4356
152	54.10	0.09	0.0305	0.9955	0.0216	0.9955	0.6930	0.9529	0.0171	0.4163	0.0180	0.4365
153	54.25	0.08	0.0255	0.9955	0.0203	0.9955	0.6777	0.9749	0.0161	0.4241	0.0165	0.4351
154	54.42	0.06	0.0227	0.9955	0.0164	0.9955	0.6887	0.9870	0.0152	0.4254	0.0154	0.4350
155	54.57	0.03	0.0206	0.9955	0.0152	0.9955	0.7354	0.9767	0.0159	0.4263	0.0163	0.4356
156	54.72	0.06	0.0251	0.9955	0.0165	0.9955	0.7514	0.9712	0.0151	0.4324	0.0153	0.4362
157	54.86	0.03	0.0217	0.9955	0.0171	0.9955	0.7859	0.9935	0.0152	0.4335	0.0153	0.4363
158	55.04	0.04	0.0153	0.9955	0.0161	0.9955	0.8317	0.9967	0.0150	0.4367	0.0151	0.4381
159	55.19	0.07	0.0252	0.9955	0.0175	0.9955	0.7086	1.0021	0.0150	0.4352	0.0150	0.4383
160	55.33	0.04	0.0182	0.9955	0.0144	0.9955	0.7682	1.0052	0.0141	0.4400	0.0140	0.4377
161	55.46	0.06	0.0215	0.9955	0.0193	0.9955	0.7804	0.9951	0.0150	0.4366	0.0151	0.4387
162	55.66	0.05	0.0194	0.9955	0.0154	0.9955	0.7912	0.9952	0.0145	0.4355	0.0150	0.4376
163	55.83	0.07	0.0222	0.9955	0.0214	0.9955	0.8336	0.9961	0.0161	0.4366	0.0162	0.4377
164	55.96	0.02	0.0252	0.9955	0.0175	0.9955	0.7866	0.9912	0.0147	0.4343	0.0145	0.4381
165	56.11	0.05	0.0182	0.9955	0.0151	0.9955	0.8268	1.0118	0.0135	0.4412	0.0134	0.4361
166	56.28	0.04	0.0147	0.9955	0.0135	0.9955	0.9416	1.0226	0.0144	0.4461	0.0141	0.4358
167	56.44	0.06	0.0216	0.9955	0.0156	0.9955	0.7133	1.0050	0.0142	0.4391	0.0141	0.4365
168	56.59	0.03	0.0288	0.9955	0.0141	0.9955	0.8016	1.0255	0.0132	0.4473	0.0125	0.4362
169	56.74	0.03	0.0182	0.9955	0.0151	0.9955	0.8266	1.0216	0.0125	0.4448	0.0126	0.4354
170	56.88	0.02	0.0323	0.9955	0.0202	0.9955	0.8245	1.0225	0.0121	0.4456	0.0116	0.4344
171	57.03	0.01	0.0360	0.9955	0.0201	0.9955	0.6686	1.0356	0.0117	0.4475	0.0113	0.4325
172	57.17	0.03	0.0216	0.9955	0.0156	0.9955	0.7133	1.0385	0.0112	0.4467	0.0108	0.4321
173	57.33	0.06	0.0216	0.9955	0.0153	0.9955	0.6655	1.0326	0.0096	0.4440	0.0093	0.4313
174	57.48	0.03	0.0184	0.9955	0.0135	0.9955	0.7306	1.0546	0.0114	0.4449	0.0108	0.4313
175	57.62	0.05	0.0267	0.9955	0.0192	0.9955	0.7316	1.0717	0.0096	0.4604	0.0090	0.4258
176	57.77	0.08	0.0191	0.9955	0.0166	0.9955	0.9601	1.0400	0.0110	0.4476	0.0106	0.4304
177	57.92	0.10	0.0137	0.9955	0.0113	0.9955	0.8275	1.0097	0.0124	0.4367	0.0123	0.4325
178	58.07	0.10	0.0087	0.9955	0.0082	0.9955	1.2278	0.9990	0.0120	0.4306	0.0120	0.4312
179	58.14	0.08	0.0160	0.9955	0.0125	0.9955	0.7775	1.0003	0.0123	0.4315	0.0123	0.4317

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PAAT	MACH	FX10-6	PHI	CCNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
1	154	1.00	1.0	0.0	0.100	1.5	0	-20	0	-20	UNKNOWN
PLINT	ALPHA	BETA	LN	CLM	CL	CLM	CLL	CLM	CLM	CAF	ACP
1	-5.83	0.03	-2.372E	5.2255	0.0492	-0.1427	0.0094	1.1450	0.2637	0.8612	-3.9050
2	-5.83	0.01	-2.374E	5.2350	0.0455	-0.1564	0.0095	1.1406	0.2656	0.8549	-3.8904
3	-5.83	0.01	-2.355E	5.2657	0.0440	-0.1696	0.0094	1.1407	0.2646	0.8618	-3.9284
4	-5.80	0.01	-2.311E	5.2316	0.0470	-0.1613	0.0096	1.1320	0.2781	0.8739	-3.9945
5	-4.01	0.01	-2.053E	6.0037	-0.0212	-0.0767	0.0049	1.1120	0.2622	0.8557	-4.2063
6	-2.27	0.01	-1.075E	6.0373	0.0535	-0.2157	0.0106	1.0755	0.2509	0.8185	-4.4362
7	-0.46	0.01	-1.055E	7.2837	0.0587	-0.1826	0.0051	1.0264	0.2416	0.7646	-4.7513
8	1.31	0.02	-1.412E	7.2768	0.0538	-0.2155	-0.0004	0.9816	0.2309	0.7507	-5.1459
9	3.21	0.01	-1.102E	2.4155	0.0253	-0.1213	0.0056	0.5236	0.2225	0.7007	-5.8232
10	4.96	0.01	-0.748E	5.4751	-0.0044	-0.0888	0.0029	0.6633	0.2136	0.6483	-7.3202
11	6.83	0.01	-0.364E	4.5175	-0.0050	-0.0646	0.0062	0.7607	0.2135	0.5672	-11.7398
12	8.63	0.01	-0.054E	3.0490	0.0570	-0.1698	0.0127	0.7063	0.2098	0.4565	-66.9152
13	10.49	0.02	0.331E	2.7005	0.0405	-0.0770	0.0130	0.6335	0.2090	0.4245	8.1421
14	12.30	0.01	0.700E	1.8278	0.0175	-0.0455	0.0136	0.5585	0.2077	0.3506	2.5795
15	14.26	0.01	1.077E	1.218E	-0.0146	-0.0147	0.0117	0.4507	0.2016	0.2890	1.1312
16	16.21	0.00	1.444E	0.4334	-0.0486	0.0778	0.0207	0.4128	0.1971	0.2157	0.2900
17	18.16	0.01	1.851E	-0.2764	-0.0357	0.2552	0.0557	0.3315	0.1961	0.1414	-0.1428
18	20.10	0.01	2.379E	-1.0811	-0.0617	0.3672	0.0450	0.2641	0.2034	0.0807	-0.4543
19	22.08	0.01	2.951E	-1.8327	-0.1092	0.3924	0.0116	0.1703	0.2087	-0.0384	-0.8156
20	24.04	0.02	3.611E	-2.3562	-0.1770	1.1350	-0.0362	0.0824	0.2057	-0.1228	-0.6527
21	26.01	0.02	4.254E	-2.4731	0.0840	-0.1880	-0.0347	0.0203	0.2088	-0.1681	-0.5812
22	28.00	0.01	4.920E	-2.0550	0.1107	-1.0191	0.0314	-0.0885	0.2152	-0.2637	-0.5355
23	28.00	0.06	4.967E	-1.0670	0.0450	-1.7633	0.0576	-0.0544	0.2134	-0.2678	-0.5329
24	28.00	0.02	5.043E	-2.0743	0.0217	-1.7470	0.0574	-0.0686	0.2131	-0.2817	-0.5363
25	28.71	0.02	5.102E	-2.0757	0.0555	-1.2748	0.0515	-0.0774	0.2128	-0.2903	-0.5244
26	29.03	0.08	5.320E	-2.0785	0.0146	-2.2218	0.0770	-0.0433	0.2124	-0.3060	-0.5035
27	29.35	0.06	5.321E	-2.7768	0.0703	-1.9943	0.0593	-0.0976	0.2107	-0.3063	-0.5207
28	29.69	0.10	5.544E	-2.0763	0.0552	-2.5375	0.0459	-0.1115	0.2125	-0.3244	-0.5188
29	29.92	0.08	5.572E	-2.0809	0.0651	-2.1535	0.0605	-0.1210	0.2107	-0.3317	-0.5144
30	30.24	0.06	5.648E	-2.0809	0.0789	-1.8740	0.0489	-0.1321	0.2107	-0.3428	-0.5071
31	30.47	0.05	5.752E	-2.3458	0.052E	-2.2312	0.0615	-0.1361	0.2119	-0.3500	-0.5052
32	30.74	0.04	5.903E	-2.0775	0.0401	-2.1320	0.0616	-0.1336	0.2106	-0.3644	-0.5044
33	31.03	0.10	6.065E	-2.5362	1.0625	-2.2623	0.0860	-0.1838	0.2092	-0.3730	-0.4841
34	31.31	0.05	6.106E	-2.0766	0.0636	-1.9831	0.0741	-0.1696	0.2073	-0.3763	-0.4714
35	31.58	0.08	6.188E	-2.5411	0.0610	-1.7685	0.0857	-0.1802	0.2065	-0.3867	-0.4753
36	31.85	0.10	6.356E	-2.0744	1.0466	-2.1441	0.0424	-0.1857	0.2088	-0.3945	-0.4522
37	32.13	0.08	6.577E	-2.0740	0.0751	-1.5498	0.0396	-0.1961	0.2047	-0.4008	-0.4412
38	32.39	0.08	6.501E	-2.0233	0.0832	-1.0190	0.0171	-0.2043	0.2043	-0.4086	-0.4343
39	32.65	0.07	6.583E	-2.0716	0.0812	-1.6662	0.0230	-0.2212	0.2039	-0.4251	-0.4362
40	32.91	0.08	6.640E	-2.4050	0.0316	-2.0219	0.0353	-0.2132	0.2065	-0.4197	-0.4372
41	33.17	0.07	6.755E	-2.7725	0.0604	-1.3114	0.0	-0.2204	0.2035	-0.4303	-0.4109
42	33.41	0.06	6.851E	-2.0162	0.0586	-1.6449	0.0651	-0.2261	0.2040	-0.4301	-0.3818
43	33.67	0.07	6.903E	-2.4561	0.0653	-1.0775	0.0355	-0.2230	0.2033	-0.4263	-0.3616
44	33.93	0.06	6.942E	-2.0627	0.0510	-1.0673	0.0766	-0.2219	0.2051	-0.4270	-0.3550
45	34.17	0.06	7.135E	-2.3705	0.0516	-1.2575	0.0893	-0.2278	0.2081	-0.4355	-0.3321
46	34.43	0.05	7.166E	-2.2408	0.0553	-0.6231	0.0301	-0.2374	0.2067	-0.4441	-0.3138

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MACF	EXIC-6	PHI	CENF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	154	1.00	1.7	C.C	0100F13	C.C	0	-20	0	-20	UNKNOWN
FLINT	ALPHA	BETA	LN	CLP	CV	CLN	CLL	CA	CAB	CAF	XCP
47	34.68	0.05	7.2676	-2.22440	0.4596	-0.3555	0.0560	-0.2565	0.2127	-0.4492	-0.3088
48	34.94	0.06	7.3667	-2.26640	0.7114	-1.3026	0.1196	-0.2290	0.2196	-0.4444	-0.3079
49	35.16	0.04	7.4185	-2.1642	0.3507	-0.6262	0.0372	-0.2432	0.2117	-0.4549	-0.2917
50	35.40	0.08	7.5351	-2.2047	0.7433	-1.3787	0.1377	-0.2365	0.2158	-0.4543	-0.2926
51	35.60	0.06	7.6576	-2.1635	0.3506	-1.1413	0.1366	-0.2406	0.2156	-0.4644	-0.2652
52	35.80	0.07	7.6793	-2.2366	0.7590	-1.3411	0.1385	-0.2370	0.2113	-0.4551	-0.2904
53	36.12	0.05	7.7456	-2.0638	0.4520	-0.9246	0.0797	-0.2475	0.2132	-0.4607	-0.2690
54	36.35	0.04	7.8550	-2.1122	0.4146	-0.9456	0.0656	-0.2501	0.2177	-0.4738	-0.2669
55	36.59	0.06	7.9738	-2.0515	0.6825	-1.4096	0.1221	-0.2470	0.2163	-0.4581	-0.2573
56	36.82	0.05	8.0664	-2.0300	0.4040	-0.9501	0.0806	-0.2557	0.2129	-0.4686	-0.2536
57	37.06	0.06	8.1216	-2.0067	0.6389	-1.3276	0.1226	-0.2460	0.2185	-0.4645	-0.2473
58	37.31	0.05	8.2367	-2.0350	0.5043	-1.1006	0.0934	-0.2601	0.2151	-0.4752	-0.2543
59	37.53	0.06	8.2555	-2.0748	0.6130	-1.1354	0.0878	-0.2700	0.2144	-0.4845	-0.2512
60	37.76	0.06	8.3792	-2.1438	0.5504	-1.1174	0.0824	-0.2713	0.2116	-0.4892	-0.2535
61	38.00	0.06	8.4552	-2.0540	0.3766	-1.1341	0.0590	-0.2682	0.2126	-0.4768	-0.2429
62	38.24	0.05	8.5605	-2.1463	0.5116	-1.1045	0.0657	-0.2675	0.2111	-0.4786	-0.2511
63	38.47	0.05	8.6712	-2.1506	0.6105	-1.1667	0.0636	-0.2666	0.2126	-0.4493	-0.2480
64	38.71	0.05	8.7649	-2.1717	0.4441	-1.0657	0.0489	-0.2673	0.2123	-0.4497	-0.2485
65	38.91	0.05	8.7503	-2.1804	0.5214	-1.0420	0.0779	-0.2653	0.2137	-0.5021	-0.2442
66	39.13	0.07	8.8074	-2.0674	0.7103	-1.4470	0.1313	-0.2546	0.2204	-0.4755	-0.2370
67	39.36	0.05	9.0069	-2.1754	0.5056	-1.0614	0.0731	-0.2608	0.2110	-0.5118	-0.2415
68	39.57	0.07	9.1554	-2.1405	0.7527	-1.4213	0.0774	-0.2442	0.2173	-0.5118	-0.2352
69	39.78	0.06	9.1076	-2.1125	0.7238	-1.1621	0.1031	-0.2665	0.2117	-0.4963	-0.2319
70	39.94	0.06	9.1720	-2.2158	0.5345	-1.0245	0.0854	-0.2407	0.2132	-0.5115	-0.2416
71	40.15	0.07	9.2380	-2.1545	0.6555	-1.0408	0.1090	-0.2343	0.2055	-0.5238	-0.2333
72	40.40	0.04	9.3307	-2.1925	0.3265	-0.8277	0.0216	-0.2640	0.2101	-0.5141	-0.2348
73	40.63	0.06	9.3345	-2.0501	0.6874	-1.1865	0.0982	-0.2379	0.2100	-0.5279	-0.2228
74	40.86	0.07	9.3515	-2.0100	0.7147	-0.9546	0.1455	-0.2642	0.2161	-0.5253	-0.2145
75	41.00	0.04	9.5465	-2.1213	0.3685	-0.8735	0.0875	-0.2323	0.2069	-0.5292	-0.2222
76	41.24	0.06	9.6700	-2.1021	0.6034	-0.9542	0.1241	-0.2300	0.2100	-0.5272	-0.2236
77	41.48	0.06	9.6134	-2.1282	0.6183	-0.9443	0.1230	-0.2314	0.2155	-0.5301	-0.2274
78	41.60	0.05	9.7516	-2.1050	0.4652	-0.8047	0.0805	-0.2370	0.2102	-0.5400	-0.2210
79	41.87	0.07	9.7726	-2.1457	0.6446	-0.9385	0.1121	-0.2354	0.2132	-0.5416	-0.2156
80	42.08	0.05	9.8424	-2.1550	0.4316	-0.8670	0.1239	-0.2356	0.2132	-0.5488	-0.2155
81	42.27	0.06	10.0373	-2.2640	0.5841	-0.7490	0.1069	-0.2466	0.2132	-0.5558	-0.2258
82	42.45	0.05	9.9253	-2.1004	0.4000	-0.8000	0.0700	-0.2411	0.2100	-0.5519	-0.2174
83	42.65	0.05	10.2260	-2.2053	0.4532	-0.5051	0.1307	-0.2344	0.2145	-0.5693	-0.2197
84	42.82	0.05	10.1705	-2.2103	0.3010	-0.4479	0.1240	-0.2302	0.2153	-0.5415	-0.2179
85	43.01	0.05	10.2747	-2.2454	0.3535	-0.6097	0.0783	-0.2368	0.2067	-0.5693	-0.2185
86	43.21	0.05	10.3071	-2.2677	0.3507	-0.5521	0.0303	-0.2305	0.2038	-0.5403	-0.2200
87	43.40	0.04	10.4572	-2.2359	0.3365	-0.5353	0.0615	-0.2368	0.2062	-0.5710	-0.2138
88	43.54	0.05	10.5136	-2.2001	0.4575	-0.5000	0.0792	-0.2351	0.2040	-0.5791	-0.2176
89	43.77	0.05	10.6371	-2.2471	0.5257	-0.8550	0.0625	-0.2388	0.2089	-0.5977	-0.2319
90	43.94	0.03	10.6720	-2.2050	0.3261	-0.6608	0.0450	-0.2655	0.2108	-0.5763	-0.2123
91	44.11	0.05	10.6000	-2.3342	0.4317	-0.2049	0.1196	-0.2368	0.2148	-0.5736	-0.2106
92	44.33	0.02	10.8752	-2.5577	0.1062	-0.5204	0.0000	-0.4103	0.2024	-0.6107	-0.2333

551

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RAIO-6	PHI	CONF	L	DELT	DELT2	CEL3	CEL4	TRANSITION		
7	154	1.00	1.0	0.0	BLNCL13	C.6	U	-20	U	-20	UNKNOWN	
POINT	ALPHA	BETA	CN	CLM	CL	CLN	CLL	CA	CAB	CAF	XCP	
93	44.50	0.05	10.8518	-2.4140	0.4503	-0.5202	0.0803	-0.3864	0.2055	-0.5919	-0.2229	
94	44.60	0.04	10.8612	-2.3501	0.3123	-0.5476	0.0571	-0.3876	0.2040	-0.5916	-0.2201	
95	44.65	0.01	11.1395	-2.5456	0.2045	-0.6129	0.0522	-0.3736	0.2052	-0.5838	-0.2269	
96	45.00	0.04	11.1544	-2.4065	0.3065	-0.5608	0.0582	-0.4007	0.2085	-0.6092	-0.2157	
97	45.20	0.03	11.1765	-2.3506	0.3461	-0.1751	0.0746	-0.3943	0.2075	-0.6022	-0.2138	
98	45.44	0.04	11.3471	-2.4460	0.2785	0.1072	0.1009	-0.3834	0.2113	-0.5967	-0.2442	
99	45.64	0.02	11.4431	-2.5031	0.3402	-0.2833	0.0703	-0.3980	0.2117	-0.6097	-0.2240	
100	45.82	0.03	11.4442	-2.6023	0.4000	-0.3715	0.0944	-0.4023	0.2087	-0.6110	-0.2270	
101	45.98	0.01	11.5535	-2.0665	0.2774	-0.4471	0.0542	-0.4337	0.2020	-0.6357	-0.2308	
102	46.10	0.04	11.5043	-2.5316	0.1906	0.4144	0.0717	-0.4008	0.2124	-0.6197	-0.2200	
103	46.34	0.05	11.0493	-2.5351	0.3077	0.0666	0.0612	-0.4036	0.2084	-0.6120	-0.2219	
104	46.52	0.06	11.6617	-2.4408	0.6905	-0.1822	0.0560	-0.4024	0.2155	-0.6179	-0.2089	
105	46.60	0.02	11.6436	-2.3808	0.1075	0.3560	0.0574	-0.3880	0.2159	-0.6039	-0.2045	
106	46.85	0.01	11.5360	-2.0274	0.0691	0.4404	0.0495	-0.3583	0.2301	-0.5884	-0.1757	
107	47.04	0.02	11.6512	-2.0653	0.1595	1.0208	0.3264	-0.3503	0.2457	-0.5960	-0.1793	
108	47.23	0.01	11.6611	-2.0361	0.1016	1.3238	-0.0067	-0.3194	0.2746	-0.5947	-0.2137	
109	47.41	0.01	11.6650	-2.4338	0.1227	1.0063	0.0270	-0.3367	0.2742	-0.6159	-0.2051	
110	47.50	0.04	11.3452	-2.0652	0.3705	1.0413	0.0394	-0.3091	0.2963	-0.6073	-0.2157	
111	47.74	0.02	11.5453	-2.0712	0.0831	1.0866	-0.0212	-0.2995	0.3121	-0.6115	-0.2266	
112	47.94	0.04	12.0233	-3.0675	0.3241	1.0058	-0.0268	-0.1929	0.3004	-0.5733	-0.2433	
113	48.14	0.02	12.1113	-3.2556	0.1006	1.0544	-0.0280	-0.2370	0.3085	-0.6055	-0.2666	
114	48.20	0.05	12.0822	-3.0911	0.4376	1.4973	-0.0204	-0.1897	0.3443	-0.5840	-0.3141	
115	48.47	0.06	12.6310	-4.3064	0.0115	1.5020	-0.0433	-0.1806	0.4014	-0.5820	-0.3457	
116	48.64	0.04	12.9145	-4.0903	0.4210	1.0651	-0.0610	-0.2153	0.4000	-0.6153	-0.3832	
117	48.82	0.06	12.1742	-4.8950	0.7782	1.5665	-0.0502	-0.2072	0.4031	-0.6073	-0.3865	
118	48.98	0.05	12.9064	-4.9745	0.5711	1.4485	-0.0571	-0.2167	0.3964	-0.6076	-0.3837	
119	49.14	0.05	12.9431	-4.9250	0.4792	2.3019	-0.0569	-0.2395	0.3932	-0.6257	-0.3808	
120	49.33	0.04	13.0032	-4.8828	0.3234	2.1411	-0.0612	-0.2432	0.3744	-0.6226	-0.3729	
121	49.51	0.04	13.1934	-5.0444	0.4065	2.1243	-0.0690	-0.2548	0.3727	-0.6275	-0.3823	
122	49.69	0.05	13.2759	-4.8295	0.5883	1.8113	-0.0401	-0.2513	0.3637	-0.6150	-0.3638	
123	49.87	0.01	13.3353	-4.8867	0.1844	1.7590	-0.0642	-0.2546	0.3633	-0.6279	-0.3663	
124	50.05	0.05	13.4417	-5.0075	0.5245	1.7471	-0.0301	-0.2533	0.3674	-0.6207	-0.3776	
125	50.23	0.02	13.4850	-5.1340	0.2171	1.9352	-0.0302	-0.2645	0.3708	-0.6353	-0.3807	
126	50.39	0.07	13.6306	-5.0464	0.7835	1.6481	-0.0306	-0.2471	0.3730	-0.6201	-0.3658	
127	50.58	0.01	13.7358	-5.2583	0.2245	1.8547	-0.0355	-0.2720	0.3764	-0.6486	-0.3828	
128	50.75	0.01	13.7432	-5.2163	0.1805	1.8574	-0.0357	-0.2504	0.3771	-0.6335	-0.3783	
129	50.91	0.03	13.6854	-5.3373	0.4326	1.3722	-0.0241	-0.2425	0.3812	-0.6237	-0.3900	
130	51.04	0.01	13.3643	-5.0555	0.3074	0.8189	-0.0345	-0.2394	0.3423	-0.6322	-0.3778	
131	51.21	0.01	13.6824	-5.1431	0.3575	0.9105	-0.0607	-0.2497	0.3428	-0.6425	-0.3759	
132	51.37	0.01	13.5779	-4.1092	0.3517	0.7165	-0.0707	-0.2245	0.3843	-0.6088	-0.3131	
133	51.54	0.01	13.4261	-4.3565	0.3255	0.7583	-0.0726	-0.2272	0.4015	-0.6287	-0.3241	
134	51.70	0.01	13.3476	-4.1773	0.3332	0.6360	-0.0640	-0.2149	0.3954	-0.6103	-0.3130	
135	51.87	0.06	13.4820	-4.1561	0.7206	1.0210	-0.0598	-0.2123	0.3978	-0.6101	-0.3087	
136	52.05	0.02	13.5557	-4.5135	0.4431	0.9198	-0.0610	-0.2010	0.4030	-0.6060	-0.3187	
137	52.22	0.01	13.6048	-4.3666	0.2806	1.2707	-0.0544	-0.2018	0.4124	-0.6142	-0.3210	
138	52.40	-0.05	13.7044	-4.2703	-0.1006	1.2205	-0.0642	-0.2057	0.4139	-0.6196	-0.3116	

PAGE 1 OF 3
SHEET 4 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART			MACH		PHI		CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
1			124 1.00 1.7		0.0		0.0		0.0		-20		0		-20		UNKNOWN	
PCINT	ALPHA	BETA	CM	CLM	CLY	CLN	CLL	CA	CAB	CAF	XCP							
139	52.53	-0.01	13.5283	-4.2453	0.1820	0.9915	0.0555	-0.2176	0.4110	-0.6286	-0.3138							
140	52.72	-0.01	13.7312	-4.1775	0.1407	1.2221	0.0499	-0.1943	0.4188	-0.6131	-0.3043							
141	52.90	-0.00	13.7244	-4.1033	0.1314	0.9812	0.0591	-0.2012	0.4187	-0.6159	-0.3033							
142	53.04	-0.01	13.6737	-3.9704	0.0410	0.9502	0.0503	-0.1031	0.4194	-0.6025	-0.2904							
143	53.22	-0.01	13.6034	-4.1065	0.0522	1.1557	0.0505	-0.1904	0.4176	-0.6062	-0.2975							
144	53.38	-0.04	13.6073	-4.1404	-0.1405	1.0494	0.0457	-0.1974	0.4200	-0.6178	-0.3003							
145	53.54	-0.00	13.5555	-3.6524	0.2455	0.8847	0.0492	-0.1650	0.4188	-0.6038	-0.2850							
146	53.71	-0.02	13.5070	-4.2502	0.0411	0.8038	0.0402	-0.2013	0.4156	-0.6209	-0.3056							
147	53.85	-0.02	13.7051	-3.9572	0.1035	0.8573	0.0570	-0.2051	0.4196	-0.6247	-0.2916							
148	54.01	-0.01	13.6060	-4.1263	0.2543	0.8412	0.0514	-0.2107	0.4125	-0.6232	-0.2953							
149	54.16	-0.02	13.6123	-4.2130	0.0650	0.7808	0.0403	-0.1859	0.4230	-0.6065	-0.3050							
150	54.32	-0.04	13.6067	-4.0915	0.1135	0.8571	0.0518	-0.2030	0.4249	-0.6279	-0.3160							
151	54.50	-0.04	14.0151	-4.4510	-0.0456	0.7552	0.0529	-0.2164	0.4327	-0.6491	-0.3176							
152	54.64	-0.02	14.0442	-4.5517	0.1731	0.7714	0.0504	-0.2159	0.4425	-0.6544	-0.3245							
153	54.80	-0.00	14.0798	-4.5571	0.2052	0.7403	0.0583	-0.2242	0.4436	-0.6648	-0.3237							
154	54.95	-0.05	14.0375	-4.4956	-0.0205	0.5624	0.0477	-0.2195	0.4391	-0.6506	-0.3226							
155	55.11	-0.01	14.0086	-4.5595	0.1037	0.6458	0.0473	-0.2136	0.4465	-0.6601	-0.3269							
156	55.26	-0.02	14.2251	-4.6644	0.0525	0.6514	0.0534	-0.2330	0.4524	-0.6860	-0.3279							
157	55.42	-0.01	14.2355	-4.7725	0.1751	0.6140	0.0536	-0.2308	0.4567	-0.6876	-0.3351							
158	55.57	-0.01	14.3085	-4.6957	0.1085	0.7234	0.0533	-0.2427	0.4571	-0.6555	-0.3245							
159	55.73	-0.05	14.2779	-4.7913	0.2137	0.6122	0.0544	-0.2389	0.4618	-0.7308	-0.3350							
160	55.90	-0.01	14.2015	-4.6865	0.2392	0.3598	0.0409	-0.2323	0.4584	-0.6908	-0.3217							
161	56.04	-0.04	14.2704	-4.8037	0.0245	0.5465	0.0546	-0.2459	0.4656	-0.7106	-0.3343							
162	56.21	-0.03	14.5051	-4.7813	0.1175	0.4412	0.0381	-0.2648	0.4622	-0.7271	-0.3296							
163	56.42	-0.02	14.2525	-4.7850	0.1262	0.3611	0.0568	-0.3362	0.4282	-0.7664	-0.3216							
164	56.54	-0.04	14.6713	-4.6411	0.0222	0.3003	0.0508	-0.3443	0.4310	-0.7759	-0.3163							
165	56.71	-0.07	14.5081	-5.0474	-0.1558	-0.5714	0.0614	-0.3723	0.4249	-0.7972	-0.3386							
166	56.87	-0.07	14.5677	-4.9207	-0.0510	-0.6120	0.0420	-0.3369	0.4200	-0.7657	-0.3287							
167	57.01	-0.06	14.6378	-4.6041	0.0073	-0.8341	0.0362	-0.3355	0.4342	-0.7697	-0.3278							
168	57.14	-0.06	14.6559	-4.6177	-0.0083	-0.7530	0.0414	-0.3127	0.4440	-0.7617	-0.3319							
169	57.30	-0.06	14.8368	-4.5715	-0.0773	-0.7659	0.0302	-0.3275	0.4464	-0.7739	-0.3351							
170	57.44	-0.06	14.7348	-5.0625	-0.0127	-0.7074	0.0333	-0.3274	0.4436	-0.7704	-0.3436							
171	57.58	-0.06	14.7822	-5.0276	0.0086	-0.3645	0.0411	-0.3481	0.4202	-0.7663	-0.3401							
172	57.72	-0.06	14.7616	-4.9503	0.0051	-0.2011	0.0583	-0.3557	0.4194	-0.7756	-0.3381							
173	57.90	-0.06	15.0365	-5.0051	-0.0428	-0.0745	0.0531	-0.3908	0.4192	-0.8100	-0.3371							
174	58.03	-0.05	14.9207	-5.0610	0.0005	-0.2249	0.0472	-0.3730	0.4203	-0.7941	-0.3392							
175	58.19	-0.05	15.0771	-5.1204	0.0034	-0.1084	0.0549	-0.3795	0.4311	-0.8110	-0.3600							
176	58.33	-0.05	15.1145	-5.2708	0.0043	-0.3071	0.0594	-0.3696	0.4319	-0.8217	-0.3490							
177	58.35	-0.04	15.2133	-5.3338	0.0057	-0.2766	0.0291	-0.3883	0.4235	-0.8138	-0.3508							

553

MAHTIA MISSILE TAILS EFFECTS DATA

TEST PART NAME: XTC-E 24T CCRF L DELT DELZ DEL3 DEL4 TRANSITION												
1 154 1.00 1.0 C.C. 0 -20 0 -20 UNKNOWN												
PCINT	ALPHA	BETA	LNFI	CHI	COI	XCPI1	YCPI1	CNF2	LN2	CO2	XCPI2	YCPI2
1	-5.03	0.03	0.0000	0.0041	0.0133	6.8370	22.0704	-1.2077	-0.0059	-0.5384	0.0044	0.4458
2	-5.03	0.01	-0.0013	0.0048	0.0116	-5.5403	-8.9516	-1.2078	-0.0057	-0.5378	0.0047	0.4453
3	-5.03	0.01	-0.0020	0.0050	0.0101	-1.5008	-5.0662	-1.2113	-0.0060	-0.5402	0.0050	0.4460
4	-5.00	0.01	-0.0011	0.0035	0.0089	-3.1039	-8.9408	-1.1966	-0.0077	-0.5362	0.0064	0.4481
5	-4.01	0.00	0.0010	0.0041	0.0114	4.1022	11.4305	-1.1338	-0.0104	-0.5220	0.0145	0.4664
6	-2.21	0.01	0.0001	0.0048	0.0135	0.7073	2.2037	-1.0505	-0.0217	-0.4995	0.0205	0.4720
7	-0.48	0.01	0.0013	0.0032	0.0098	2.4626	7.3026	-0.9859	-0.0227	-0.4775	0.0231	0.4843
8	1.31	0.02	0.0116	0.0039	0.0123	0.5003	1.0372	-0.6908	-0.0225	-0.4481	0.0253	0.5031
9	3.21	0.01	0.0078	0.0048	0.0106	0.5601	1.3633	-0.7627	-0.0220	-0.3559	0.0285	0.5151
10	4.90	0.01	-0.0014	0.0027	0.0095	-1.4216	-3.0100	-0.0362	-0.0185	-0.3430	0.0291	0.5392
11	6.03	0.01	0.0036	0.0034	0.0157	0.5449	3.3472	-0.4664	-0.0105	-0.2719	0.0354	0.5836
12	6.63	0.01	0.0030	0.0032	0.0108	0.2403	4.4331	-0.3616	-0.0130	-0.2050	0.0381	0.6002
13	10.49	0.02	0.0020	0.0036	0.0045	0.1637	1.1126	-0.2141	-0.0057	-0.1373	0.0267	0.6411
14	12.30	0.01	0.0104	0.0035	0.0035	0.1503	1.3046	-0.0701	0.0034	-0.0790	-0.0486	1.1275
15	14.20	0.01	0.0105	0.0033	0.0025	0.0162	1.4316	0.0235	0.0166	-0.0310	0.7068	-1.3191
16	16.21	0.00	0.0079	-0.0016	0.0021	-0.2020	3.0477	0.1270	0.0296	0.0109	0.2334	0.1328
17	18.16	0.01	0.0041	-0.0024	0.0030	-0.2634	3.2902	0.2159	0.0438	0.0578	0.2027	0.2675
18	20.10	0.01	-0.0041	-0.0051	0.0045	1.2440	-3.7703	0.3323	0.0562	0.1134	0.1651	0.3427
19	22.06	0.01	-0.0041	-0.0171	0.0048	0.3880	-0.1092	0.4506	0.0587	0.1754	0.1302	0.3693
20	24.04	-0.02	-0.1002	-0.0372	-0.0047	0.2210	0.2090	0.5301	0.0625	0.2212	0.1106	0.4128
21	26.01	0.02	-0.0378	0.0101	0.0050	0.4262	0.1327	0.7248	0.0544	0.3072	0.0750	0.4238
22	28.00	0.07	0.2735	0.0514	0.1046	0.1870	0.4006	0.6395	0.0445	0.3543	0.0509	0.4200
23	28.00	0.06	0.2750	0.0558	0.1165	0.2043	0.4268	0.6395	0.0457	0.3593	0.0592	0.4280
24	28.00	0.06	0.2712	0.0554	0.1161	0.2042	0.4279	0.6499	0.0500	0.3620	0.0568	0.4265
25	28.71	0.06	0.2240	0.0482	0.0984	0.2150	0.4393	0.6592	0.0514	0.3685	0.0598	0.4285
26	29.03	0.06	0.3512	0.0653	0.1400	0.1884	0.4231	0.6405	0.0487	0.3618	0.0547	0.4287
27	29.35	0.08	0.3302	0.0633	0.1395	0.1883	0.4148	0.6995	0.0490	0.3851	0.0544	0.4275
28	29.65	0.10	0.3910	0.0703	0.1650	0.1798	0.4235	0.9312	0.0471	0.3983	0.0505	0.4277
29	29.92	0.08	0.3175	0.0603	0.1335	0.1843	0.4206	0.9333	0.0465	0.4010	0.0515	0.4297
30	30.20	0.08	0.3044	0.0594	0.1270	0.1820	0.4153	0.9434	0.0485	0.4047	0.0513	0.4286
31	30.47	0.09	0.3351	0.0628	0.1418	0.1846	0.4181	0.9671	0.0465	0.4138	0.0486	0.4279
32	30.74	0.05	0.3077	0.0502	0.1234	0.1820	0.4337	0.9621	0.0465	0.4133	0.0504	0.4296
33	31.03	0.10	0.3045	0.0570	0.1424	0.1772	0.4382	0.9740	0.0488	0.4178	0.0501	0.4250
34	31.31	0.09	0.2739	0.0401	0.1235	0.1754	0.4533	0.9678	0.0508	0.4146	0.0525	0.4287
35	31.58	0.08	0.3555	0.0582	0.1452	0.1732	0.4442	0.9660	0.0490	0.4217	0.0497	0.4277
36	31.85	0.10	0.3067	0.0546	0.1356	0.1780	0.4551	0.9555	0.0498	0.4251	0.0500	0.4271
37	32.13	0.08	0.2118	0.0406	0.0935	0.1517	0.4418	0.9917	0.0517	0.4246	0.0521	0.4282
38	32.39	0.06	0.2220	0.0517	0.0949	0.2311	0.3772	1.0264	0.0506	0.4351	0.0455	0.4278
39	32.65	0.07	0.1227	0.0370	0.0451	0.2784	0.3397	1.0215	0.0531	0.4364	0.0520	0.4272
40	32.91	0.08	0.2053	0.0605	0.0908	0.2240	0.3601	1.0457	0.0505	0.4453	0.0483	0.4258
41	33.17	0.07	0.1157	0.0357	0.0355	0.3081	0.3072	1.0305	0.0559	0.4258	0.0550	0.4188
42	33.41	0.08	0.1021	0.0383	0.0498	0.3354	0.3494	0.9958	0.0542	0.4047	0.0544	0.4114
43	33.67	0.07	0.0760	0.0246	0.0215	0.3217	0.2659	0.9609	0.0509	0.3871	0.0529	0.4028
44	33.93	0.06	0.1070	0.0210	0.0375	0.2559	0.3068	0.9623	0.0484	0.3805	0.0508	0.4016
45	34.17	0.06	0.2226	0.0425	0.0971	0.1525	0.4502	0.9837	0.0489	0.3969	0.0497	0.4035
46	34.43	0.05	0.0765	0.0170	0.0200	0.2319	0.3644	0.9724	0.0510	0.3546	0.0524	0.4058

PAGE 2 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	PACK	AXIC-6	PHI	CONF	U	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	154	1.00	1.7	0.0	0.0	0.0	U	-20	U	-20	UNKNOWN
FLINT	ALPHA	BETA	CONF1	CONF2	CONF3	CONF4	YCONF1	YCONF2	CONF5	CONF6	YCONF3
47	34.65	0.05	0.1721	0.0307	0.0755	0.1777	0.4247	0.5825	0.0483	0.3945	0.0491
48	34.91	0.00	0.2220	0.0302	0.1062	0.1628	0.4312	0.9792	0.0484	0.3913	0.0474
49	35.16	0.04	0.1053	0.0300	0.0474	0.1712	0.4520	0.9717	0.0481	0.3895	0.0455
50	35.40	0.08	0.2361	0.0305	0.1194	0.1548	0.5055	0.9792	0.0480	0.3894	0.0469
51	35.66	0.00	0.1780	0.0285	0.0889	0.1514	0.4993	0.9804	0.0452	0.3925	0.0458
52	35.88	0.07	0.2964	0.0370	0.1255	0.1402	0.4901	0.9890	0.0433	0.3924	0.0437
53	36.12	0.05	0.1472	0.0231	0.0697	0.1571	0.4733	0.9853	0.0433	0.3904	0.0439
54	36.35	0.04	0.1053	0.0205	0.0691	0.1541	0.4488	0.9857	0.0441	0.3881	0.0417
55	36.59	0.00	0.2567	0.0305	0.1246	0.1435	0.4862	0.9930	0.0399	0.3907	0.0401
56	36.82	0.05	0.2171	0.0305	0.1018	0.1425	0.4890	0.9883	0.0396	0.3885	0.0400
57	37.08	0.06	0.2148	0.0281	0.1037	0.1310	0.4829	0.9980	0.0385	0.3905	0.0385
58	37.31	0.05	0.2036	0.0264	0.0990	0.1284	0.4803	1.0025	0.0396	0.3954	0.0397
59	37.53	0.06	0.1783	0.0231	0.0895	0.1312	0.4797	0.9986	0.0385	0.3910	0.0386
60	37.78	0.00	0.1370	0.0254	0.0884	0.1297	0.4901	1.0002	0.0384	0.3922	0.0383
61	38.00	0.00	0.1713	0.0200	0.0785	0.1205	0.4406	1.0037	0.0385	0.3933	0.0383
62	38.24	0.05	0.1546	0.0197	0.0712	0.1270	0.4804	1.0111	0.0366	0.3950	0.0363
63	38.47	0.05	0.2073	0.0223	0.1026	0.1077	0.4951	1.0106	0.0336	0.3966	0.0381
64	38.71	0.00	0.1704	0.0224	0.0993	0.1258	0.4447	1.0134	0.0371	0.3904	0.0360
65	38.91	0.05	0.2032	0.0230	0.0946	0.1134	0.4655	1.0157	0.0378	0.3972	0.0372
66	39.15	0.07	0.2733	0.0323	0.1290	0.1220	0.4742	0.9958	0.0334	0.3847	0.0342
67	39.38	0.05	0.2077	0.0240	0.0947	0.1157	0.4559	1.0079	0.0336	0.3915	0.0336
68	39.57	0.07	0.1806	0.0197	0.0840	0.1228	0.4344	1.0084	0.0312	0.3887	0.0310
69	39.78	0.08	0.2245	0.0236	0.1115	0.1053	0.4982	1.0024	0.0315	0.3864	0.0315
70	39.99	0.00	0.1844	0.0190	0.0825	0.0842	0.5010	1.0133	0.0307	0.3884	0.0303
71	40.19	0.07	0.1887	0.0177	0.0813	0.0950	0.4890	1.0077	0.0282	0.3844	0.0280
72	40.40	0.04	0.0987	0.0073	0.0325	0.0741	0.3337	1.0184	0.0276	0.3885	0.0271
73	40.63	0.06	0.1975	0.0175	0.0840	0.0908	0.4759	1.0041	0.0279	0.3830	0.0278
74	40.86	0.07	0.2390	0.0223	0.1155	0.0934	0.4494	0.9842	0.0266	0.3721	0.0271
75	41.06	0.04	0.1830	0.0174	0.0884	0.0896	0.4683	1.0045	0.0256	0.3794	0.0255
76	41.29	0.00	0.2141	0.0177	0.1012	0.0828	0.4720	1.0045	0.0240	0.3807	0.0245
77	41.48	0.06	0.2140	0.0193	0.1016	0.0953	0.4749	0.9938	0.0248	0.3749	0.0250
78	41.68	0.05	0.1000	0.0142	0.0773	0.0847	0.4603	1.0124	0.0233	0.3834	0.0230
79	41.87	0.07	0.1504	0.0127	0.0647	0.0845	0.4255	1.0106	0.0230	0.3820	0.0228
80	42.08	0.05	0.1500	0.0155	0.0815	0.1024	0.4074	1.0096	0.0218	0.3809	0.0216
81	42.27	0.06	0.1804	0.0153	0.0817	0.0850	0.4532	1.0012	0.0222	0.3772	0.0222
82	42.45	0.05	0.1305	0.0118	0.0590	0.0863	0.3989	1.0120	0.0218	0.3805	0.0216
83	42.65	0.05	0.1983	0.0200	0.0929	0.1010	0.4664	0.9929	0.0223	0.3723	0.0225
84	42.82	0.05	0.1895	0.0153	0.0800	0.1020	0.4508	0.9941	0.0218	0.3733	0.0220
85	43.01	0.05	0.1550	0.0130	0.0691	0.0840	0.4456	1.0153	0.0208	0.3818	0.0203
86	43.21	0.05	0.0544	0.0174	0.0202	0.1753	0.2031	1.0253	0.0190	0.3845	0.0186
87	43.40	0.04	0.1103	0.0129	0.0357	0.1171	0.3241	1.0262	0.0193	0.3875	0.0190
88	43.59	0.05	0.1432	0.0115	0.0624	0.0793	0.4293	1.0248	0.0197	0.3857	0.0193
89	43.77	0.05	0.1151	0.0105	0.0378	0.1436	0.3283	1.0368	0.0187	0.3902	0.0181
90	43.94	0.05	0.1018	0.0133	0.0320	0.1308	0.3206	1.0238	0.0190	0.3840	0.0186
91	44.11	0.05	0.1454	0.0135	0.0450	0.0905	0.5019	0.9767	0.0217	0.3850	0.0222
92	44.33	0.02	0.1283	0.0170	0.0425	0.1344	0.3363	1.0390	0.0183	0.3902	0.0176

555

PAGE 2 OF 3
SHEET 3 OF 4

PART A MISSILE TAILS EFFECTS DATA

TEST PART MACT WALT-6 PHI CCNF L CELL DELZ DEL3 DEL4 TRANSITION												
7		154 1.00 1.7		0.0 0.0 0.0		0 -20		0 -20		UNKNOWN		
FLINT	ALPHA	BETA	LNFI	CHI	COI	ACPF1	YCPF1	CNF2	CH2	CO2	XCPF2	YCPF2
53	44.50	0.05	0.1352	0.0153	0.0535	0.1133	0.3788	1.0276	0.0201	0.3886	0.0196	0.3761
94	44.60	0.04	0.1111	0.0146	0.0346	0.1202	0.3130	1.0307	0.0181	0.3903	0.0174	0.3757
55	44.89	0.01	0.1117	0.0144	0.0246	0.1734	0.2052	1.0387	0.0186	0.3897	0.0175	0.3752
56	45.08	0.02	0.1064	0.0144	0.0350	0.1355	0.3305	1.0205	0.0195	0.3829	0.0191	0.3752
57	45.20	0.03	0.1151	0.0145	0.0352	0.1355	0.3302	1.0440	0.0191	0.3533	0.0183	0.3767
58	45.44	0.04	0.1207	0.0150	0.0352	0.0790	0.4575	0.9926	0.0221	0.3722	0.0223	0.3750
59	45.64	0.02	0.1116	0.0155	0.0430	0.0851	0.3844	1.0316	0.0206	0.3890	0.0200	0.3771
100	45.82	0.03	0.1071	0.0157	0.0433	0.0507	0.4041	1.0252	0.0205	0.3840	0.0201	0.3758
101	45.98	0.01	0.1115	0.0113	0.0406	0.1011	0.3025	1.0350	0.0202	0.3857	0.0195	0.3765
102	46.10	0.02	0.0827	0.0151	0.0175	0.1029	0.2113	1.0226	0.0210	0.3854	0.0206	0.3768
103	46.34	0.03	0.0556	0.0155	0.0402	0.0554	0.4025	1.0125	0.0221	0.3816	0.0218	0.3767
104	46.52	0.06	0.0522	0.0151	0.0204	0.1425	0.2085	1.0212	0.0225	0.3845	0.0221	0.3765
105	46.80	0.02	0.0884	0.0150	0.0303	0.1133	0.3451	1.0211	0.0223	0.3868	0.0215	0.3788
106	46.85	0.01	0.0420	0.0064	0.0106	0.1503	0.2496	1.0205	0.0237	0.3512	0.0231	0.3802
107	47.04	0.02	0.0306	0.0057	0.0094	0.1804	0.1443	1.0402	0.0245	0.3569	0.0236	0.3816
108	47.23	0.01	0.0350	0.0055	0.0045	0.2050	0.4860	1.0414	0.0164	0.3513	0.0163	0.3757
109	47.41	0.01	0.0385	0.0145	0.0	0.3708	0.0	1.0611	0.0177	0.3555	0.0167	0.3765
110	47.50	0.04	0.0064	0.0112	0.0102	0.1340	0.1017	1.0402	0.0168	0.3536	0.0160	0.3757
111	47.74	0.02	0.0815	0.0056	0.0035	0.0888	0.8585	1.0588	0.0147	0.3883	0.0142	0.3738
112	47.94	0.04	0.0838	0.0130	0.0041	0.1030	0.4762	0.9441	0.0193	0.3476	0.0204	0.3683
113	48.04	0.02	0.0346	0.0035	0.0050	0.0412	0.5522	0.9621	0.0165	0.3524	0.0163	0.3683
114	48.20	0.05	0.0174	0.0030	0.0093	0.1535	1.1070	0.9041	0.0177	0.3630	0.0179	0.3670
115	48.47	0.06	0.0044	0.0018	0.0067	0.0094	0.3350	0.9821	0.0175	0.3564	0.0183	0.3625
116	48.64	0.04	0.0044	0.0018	0.0067	0.0094	0.3350	0.9821	0.0175	0.3564	0.0183	0.3625
117	48.82	0.06	0.0157	0.0018	0.0073	0.0193	0.8755	1.0549	0.0186	0.3865	0.0178	0.3668
118	48.90	0.05	0.0172	0.0019	0.0064	1.1205	1.0674	1.0560	0.0179	0.3866	0.0170	0.3680
119	49.14	0.05	0.0130	0.0014	0.0050	1.3310	1.0591	1.0573	0.0176	0.3880	0.0165	0.3670
120	49.33	0.04	0.0103	0.0011	0.0040	1.1502	1.4317	1.0608	0.0173	0.3906	0.0162	0.3663
121	49.51	0.04	0.0257	0.0012	0.0056	0.0253	0.7590	1.0740	0.0163	0.3537	0.0152	0.3666
122	49.85	0.03	0.0041	0.0015	0.0015	0.0262	0.9851	1.0850	0.0152	0.3580	0.0140	0.3666
123	49.87	0.01	0.0030	0.0003	0.0005	0.7703	0.9762	1.0573	0.0150	0.4044	0.0137	0.3685
124	50.05	0.03	0.0213	0.0017	0.0014	0.0424	0.0054	1.1047	0.0137	0.4054	0.0124	0.3666
125	50.23	0.02	0.0300	0.0016	0.0008	0.0044	0.0208	1.1073	0.0115	0.4050	0.0108	0.3677
126	50.39	0.01	0.0420	0.0010	0.0000	0.0240	0.0717	1.0770	0.0126	0.3525	0.0117	0.3642
127	50.56	0.01	0.0400	0.0010	0.0007	0.0302	0.0928	1.0551	0.0111	0.3841	0.0105	0.3627
128	50.75	0.01	0.0154	0.0012	0.0010	0.0355	0.5999	1.0443	0.0103	0.3863	0.0098	0.3624
129	50.91	0.03	0.0211	0.0007	0.0006	0.0355	0.7960	1.0458	0.0102	0.3762	0.0098	0.3617
130	51.04	0.01	0.0518	0.0005	0.0002	0.0704	0.1980	1.0374	0.0117	0.3746	0.0113	0.3611
131	51.21	0.01	0.0802	0.0007	0.0005	0.0844	0.1240	1.0291	0.0111	0.3716	0.0108	0.3611
132	51.37	0.01	0.0847	0.0007	0.0004	0.1193	0.1015	0.9707	0.0146	0.3500	0.0153	0.3606
133	51.54	0.01	0.0451	0.0007	0.0002	0.1426	0.1062	0.9377	0.0144	0.3351	0.0154	0.3574
134	51.70	0.01	0.0444	0.0007	0.0008	0.1404	0.1367	0.9370	0.0148	0.3361	0.0158	0.3585
135	51.87	0.00	0.0162	0.0005	0.0003	0.2775	0.3901	0.9326	0.0139	0.3351	0.0149	0.3552
136	52.05	0.02	0.0131	0.0005	0.0002	0.3437	0.9410	0.9410	0.0138	0.3354	0.0147	0.3607
137	52.22	0.01	0.0044	0.0017	0.0010	0.3868	0.9412	0.9435	0.0121	0.3411	0.0128	0.3615
138	52.40	0.03	0.0155	0.0006	0.0015	0.0510	1.1521	0.9301	0.0131	0.3413	0.0140	0.3646

PAGE 2 OF 3
 SHEET 4 OF 4

PART A PASSILE TAILS EFFECTS DATA

TEST PART PACH RX10-6			PHI		CNF		I		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7			124		1.00		1.7		0.0		0.100F15		0.0		-20		0 -20 UNKNOWN	
PLANT	ALPHA	BETA	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1	CNF1
139	52.53	-0.01	-0.0127	-0.0003	-0.0150	-0.00230	1.1770	0.9457	0.0125	0.3444	0.0132	0.3642						
140	52.72	-0.01	-0.0155	-0.0006	-0.0174	-0.00307	1.1197	0.9254	0.0130	0.3380	0.0141	0.3630						
141	52.50	-0.00	-0.0128	-0.0000	-0.0150	-0.00335	1.1863	0.9255	0.0131	0.3385	0.0142	0.3640						
142	53.04	0.01	-0.0022	-0.0002	-0.0060	-0.00410	-2.7360	0.9278	0.0127	0.3393	0.0137	0.3657						
143	53.22	-0.01	-0.0166	-0.0021	-0.0174	-0.01130	0.5331	0.9170	0.0126	0.3354	0.0138	0.3657						
144	53.38	-0.04	-0.0166	-0.0018	-0.0121	0.1063	1.1239	0.9158	0.0126	0.3350	0.0140	0.3658						
145	53.56	0.00	-0.0055	-0.0014	-0.0092	-0.00374	1.5843	0.9146	0.0127	0.3350	0.0139	0.3662						
146	53.71	-0.02	-0.0054	-0.0010	-0.0113	-0.00411	1.1451	0.9396	0.0115	0.3455	0.0123	0.3677						
147	53.85	-0.02	-0.0174	-0.0011	-0.0123	-0.00635	0.7036	0.9264	0.0123	0.3413	0.0133	0.3684						
148	54.01	0.01	-0.0156	-0.0017	-0.0123	-0.00600	0.6559	0.9162	0.0116	0.3366	0.0127	0.3687						
149	54.16	-0.02	-0.0167	-0.0015	-0.0100	-0.01138	0.6307	0.9312	0.0113	0.3438	0.0122	0.3692						
150	54.32	-0.02	-0.0126	-0.0015	-0.0084	-0.01141	0.6008	0.9208	0.0115	0.3427	0.0124	0.3696						
151	54.50	-0.04	-0.0135	-0.0015	-0.0082	-0.01138	0.5961	0.9431	0.0108	0.3492	0.0113	0.3703						
152	54.64	-0.02	-0.0154	-0.0017	-0.0084	-0.01170	0.5300	0.9491	0.0097	0.3523	0.0102	0.3713						
153	54.80	-0.00	-0.0112	-0.0021	-0.0091	-0.00951	0.4306	0.9384	0.0105	0.3476	0.0112	0.3705						
154	54.95	-0.05	-0.0123	-0.0020	-0.0030	-0.01027	0.3099	0.9425	0.0096	0.3518	0.0104	0.3721						
155	55.11	-0.01	-0.0024	-0.0028	-0.0030	-0.01130	0.3034	0.9478	0.0097	0.3525	0.0102	0.3724						
156	55.26	-0.02	-0.0028	-0.0015	-0.0035	-0.01093	0.2090	0.9502	0.0090	0.3533	0.0103	0.3714						
157	55.42	-0.01	-0.0045	-0.0015	-0.0072	-0.00763	0.2901	0.9454	0.0101	0.3516	0.0107	0.3722						
158	55.57	-0.01	-0.0031	-0.0015	-0.0091	-0.00811	0.2935	0.9363	0.0106	0.3466	0.0113	0.3716						
159	55.73	-0.05	-0.0021	-0.0017	-0.0042	-0.00770	0.1907	0.9479	0.0096	0.3532	0.0104	0.3727						
160	55.89	-0.04	-0.0010	-0.0015	-0.0024	-0.00634	0.1616	0.9551	0.0092	0.3556	0.0096	0.3723						
161	56.04	-0.04	-0.0024	-0.0015	-0.0055	-0.00623	0.2269	0.9562	0.0096	0.3572	0.0101	0.3735						
162	56.21	-0.03	-0.0030	-0.0021	-0.0062	-0.00640	0.2488	0.9586	0.0093	0.3560	0.0097	0.3734						
163	56.42	-0.02	-0.0024	-0.0020	-0.0064	-0.00676	0.3020	0.9644	0.0071	0.3670	0.0072	0.3726						
164	56.54	-0.04	-0.0021	-0.0028	-0.0067	-0.00694	0.2480	0.9408	0.0065	0.3711	0.0065	0.3723						
165	56.71	-0.07	-0.0022	-0.0043	-0.0045	-0.00550	2.0320	1.0631	0.0041	0.3588	0.0035	0.3752						
166	56.87	-0.07	-0.0025	-0.0035	-0.0026	-0.00603	1.5063	1.0433	0.0042	0.3651	0.0040	0.3733						
167	57.01	-0.06	-0.0026	-0.0043	-0.0063	-0.00635	0.4055	0.9962	0.0033	0.3600	0.0031	0.3743						
168	57.14	-0.06	-0.0027	-0.0042	-0.0036	-0.00636	0.2323	0.9072	0.0043	0.3654	0.0041	0.3720						
169	57.30	-0.06	-0.0021	-0.0053	-0.0018	-0.00597	0.4294	1.0479	0.0040	0.3695	0.0038	0.3717						
170	57.44	-0.06	-0.0041	-0.0060	-0.0034	-0.00594	0.4201	1.0450	0.0043	0.3685	0.0041	0.3718						
171	57.58	-0.06	-0.0068	-0.0045	-0.0066	-0.00660	0.5135	1.0458	0.0046	0.3676	0.0046	0.3706						
172	57.72	-0.06	-0.0011	-0.0063	-0.0064	-0.00724	0.3040	1.0125	0.0054	0.3755	0.0053	0.3713						
173	57.85	-0.06	-0.0017	-0.0065	-0.0077	-0.00626	0.6602	1.0421	0.0042	0.3687	0.0040	0.3730						
174	58.03	-0.05	-0.0027	-0.0065	-0.0057	-0.00747	0.6035	1.0304	0.0040	0.3636	0.0036	0.3722						
175	58.19	-0.05	-0.0048	-0.0011	-0.0085	-0.00744	0.6733	1.0281	0.0034	0.3628	0.0033	0.3723						
176	58.33	-0.05	-0.0050	-0.0021	-0.0020	-0.00631	0.5016	1.0399	0.0028	0.3662	0.0027	0.3733						
177	58.35	-0.04	-0.0055	-0.0035	-0.0075	-0.00656	0.4984	1.0826	0.0032	0.4043	0.0030	0.3734						

PAGE 3 OF 3
SHEET 1 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

FLINT	ALPHA	BETA	TEST PART MACF RY10-6		PHI	CONF	T	DEL1	DEL2	DEL3	DEL4	TRANSITION
			7	154 1.00 1.7	0.0	BI0F15	C.C	0	-20	0	-20	UNKNOWN
FLINT	ALPHA	BETA	CNF1	CNF2	CNF3	CNF4	CNF5	CNF6	CNF7	CNF8	CNF9	CNF10
1	-5.83	0.03	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
2	-5.83	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
3	-5.83	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
4	-5.83	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
5	-4.01	0.00	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
6	-2.27	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
7	-0.46	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
8	1.31	0.02	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
9	3.21	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
10	4.96	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
11	6.63	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
12	8.63	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
13	10.49	0.02	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
14	12.38	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
15	14.20	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
16	16.21	0.00	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
17	18.10	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
18	20.10	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
19	22.06	0.01	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
20	24.04	0.02	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
21	26.01	0.02	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
22	28.00	0.07	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
23	28.00	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
24	28.46	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
25	28.71	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
26	29.03	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
27	29.35	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
28	29.65	0.10	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
29	29.92	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
30	30.20	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
31	30.47	0.05	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
32	30.74	0.05	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
33	31.03	0.10	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
34	31.31	0.05	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
35	31.58	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
36	31.85	0.10	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
37	32.13	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
38	32.39	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
39	32.65	0.07	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
40	32.91	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
41	33.17	0.07	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
42	33.41	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
43	33.67	0.07	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
44	33.93	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
45	34.17	0.08	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
46	34.43	0.05	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PACF RX10-6				PHI	CONF	L	CEL1	DELZ	CEL3	CEL4	TRANSITION	
7 154 1.00 1.7				C.C	blowf1s	C.C	0	-20	0	-20	UNKNOWN	
FLINT	ALPHA	BETA	LNFS	CH3	LO3	XCPF3	YLPF3	LNFS	LN4	CEL4	XCPF4	YLPF4
47	34.68	0.05	C.C643	5.9999	0.0134	5.9999	0.2076	0.8366	0.0569	0.4059	0.0704	0.4852
48	34.51	0.06	C.C644	5.9999	0.0162	5.9999	0.2058	0.8369	0.0580	0.4065	0.0693	0.4857
49	35.10	0.04	0.0642	5.9999	0.0135	5.9999	0.2160	0.8345	0.0540	0.4008	0.0647	0.4864
50	35.40	0.08	0.0707	5.9999	0.0163	5.9999	0.2302	0.8368	0.0547	0.4032	0.0653	0.4818
51	35.60	0.06	0.0643	5.9999	0.0158	5.9999	0.2379	0.8513	0.0526	0.4078	0.0620	0.4756
52	35.66	0.07	C.C637	5.9999	0.0234	5.9999	0.2796	0.8438	0.0527	0.4044	0.0624	0.4798
53	36.12	0.05	C.C657	5.9999	0.0125	5.9999	0.2067	0.8529	0.0519	0.4079	C.C608	0.4782
54	36.35	0.04	C.C642	5.9999	0.0164	5.9999	0.1925	0.8442	0.0517	0.4035	0.0612	0.4779
55	36.55	0.06	0.0771	5.9999	0.0201	5.9999	0.2606	0.8325	0.0482	0.3946	0.0578	0.4742
56	36.62	0.05	0.0715	5.9999	0.0120	5.9999	0.2097	0.8380	0.0477	0.3957	0.0569	0.4722
57	37.00	0.06	C.C655	5.9999	0.0120	5.9999	0.2097	0.8406	0.0475	0.3975	0.0565	0.4734
58	37.31	0.05	C.C653	5.9999	0.0125	5.9999	0.2067	0.8463	0.0456	0.3981	0.0538	0.4705
59	37.53	0.06	C.C667	5.9999	0.0137	5.9999	0.2251	0.8362	0.0437	0.3927	0.0521	0.4685
60	37.70	0.06	C.C653	5.9999	0.0115	5.9999	0.2124	0.8405	0.0416	0.3948	0.0491	0.4664
61	38.00	0.06	C.C639	5.9999	0.0154	5.9999	0.2484	0.8439	0.0417	0.3935	C.C694	0.4663
62	38.24	0.05	0.0655	5.9999	0.0142	5.9999	0.2301	0.8407	0.0410	0.3948	0.0484	0.4663
63	38.47	0.05	C.C655	5.9999	0.0163	5.9999	0.2775	0.8478	0.0391	0.3932	0.0466	0.4627
64	38.71	0.05	C.C660	5.9999	0.0202	5.9999	0.2970	0.8570	0.0385	0.3976	0.0448	0.4637
65	38.91	0.05	C.C665	5.9999	0.0160	5.9999	0.2841	0.8503	0.0377	0.3935	0.0443	0.4628
66	39.13	0.07	0.0756	5.9999	0.0232	5.9999	0.3069	0.8402	0.0368	0.3911	0.0433	0.4611
67	39.36	0.05	0.0644	5.9999	0.0145	5.9999	0.2704	0.8506	0.0370	0.3956	0.0431	0.4615
68	39.57	0.07	0.0654	5.9999	0.0168	5.9999	0.2625	0.8591	0.0368	0.3960	0.0428	0.4610
69	39.78	0.08	0.0655	5.9999	0.0204	5.9999	0.3095	0.8697	0.0351	0.3989	0.0403	0.4587
70	39.99	0.06	C.C662	5.9999	0.0173	5.9999	0.2970	0.8747	0.0351	0.4010	0.0401	0.4585
71	40.19	0.07	C.C662	5.9999	0.0124	5.9999	0.2671	0.8773	0.0351	0.4023	0.0400	0.4586
72	40.40	0.04	C.C654	5.9999	0.0171	5.9999	0.2676	0.8763	0.0335	0.4013	0.0383	0.4580
73	40.63	0.06	0.0636	5.9999	0.0211	5.9999	0.3316	0.8839	0.0330	0.4033	0.0374	0.4562
74	40.86	0.07	0.0642	5.9999	0.0154	5.9999	0.3164	0.8794	0.0319	0.3995	0.0359	0.4543
75	41.06	0.04	0.0624	5.9999	0.0231	5.9999	0.3704	0.8691	0.0317	0.4032	0.0357	0.4534
76	41.24	0.06	0.0646	5.9999	0.0185	5.9999	0.3442	0.8944	0.0297	0.4032	0.0332	0.4527
77	41.48	0.06	0.0570	5.9999	0.0206	5.9999	0.3650	0.8923	0.0296	0.4038	0.0334	0.4525
78	41.68	0.05	0.0553	5.9999	0.0172	5.9999	0.3400	0.8998	0.0293	0.4061	0.0326	0.4513
79	41.87	0.07	0.0546	5.9999	0.0201	5.9999	0.3661	0.8999	0.0289	0.4067	0.0322	0.4515
80	42.08	0.05	0.0316	5.9999	0.0113	5.9999	0.3065	0.9013	0.0285	0.4064	0.0317	0.4506
81	42.27	0.06	0.0314	5.9999	0.0228	5.9999	0.3715	0.9043	0.0272	0.4065	0.0301	0.4495
82	42.45	0.05	0.0462	5.9999	0.0180	5.9999	0.3650	0.9087	0.0281	0.4051	0.0313	0.4507
83	42.65	0.05	0.0417	5.9999	0.0154	5.9999	0.3661	0.9142	0.0270	0.4113	0.0296	0.4499
84	42.84	0.05	0.0354	5.9999	0.0153	5.9999	0.3670	0.9143	0.0267	0.4113	0.0292	0.4498
85	43.01	0.05	C.C653	5.9999	0.0164	5.9999	0.4161	0.9232	0.0264	0.4143	0.0286	0.4487
86	43.21	0.05	0.0550	5.9999	0.0209	5.9999	0.3693	0.9355	0.0267	0.4073	0.0295	0.4458
87	43.40	0.04	0.0353	5.9999	0.0170	5.9999	0.4314	0.9128	0.0268	0.4108	0.0294	0.4500
88	43.54	0.05	C.C653	5.9999	0.0164	5.9999	0.4161	0.9232	0.0266	0.4167	0.0278	0.4492
89	43.77	0.05	C.C653	5.9999	0.0223	5.9999	0.4298	0.9281	0.0260	0.4182	0.0281	0.4484
90	43.94	0.03	0.0446	5.9999	0.0181	5.9999	0.4031	0.9232	0.0256	0.4129	0.0278	0.4472
91	44.11	0.05	0.0327	5.9999	0.0140	5.9999	0.4204	0.9236	0.0238	0.4127	0.0258	0.4468
92	44.33	0.04	0.0414	5.9999	0.0180	5.9999	0.4337	0.9408	0.0252	0.4222	0.0268	0.4468

559

PAGE 3 OF 3
SHEET 3 OF 4

PARTIAL PASSAGE TAILS EFFECTS DATA

FLINT	TEST PART MACH 1.0-1.7				PHI CCRF		DEL1 DEL2		DEL3 DEL4		TRANSITION	
	154	1.00	1.7	U.O	0.100	0.15	0	-20	0	-20	UNKNOWN	
FLINT	ALPHA	BETA	CRF2	CRF3	CRF4	CRF5	YCRF3	CRF4	CRF4	YCRF4	YCRF4	
93	44.50	0.05	0.0413	0.0413	0.0413	0.0413	0.4397	0.4397	0.4397	0.4397	0.4397	0.4478
94	44.00	0.04	0.0412	0.0412	0.0412	0.0412	0.4397	0.4397	0.4397	0.4397	0.4397	0.4472
95	44.00	0.01	0.0380	0.0380	0.0380	0.0380	0.4397	0.4397	0.4397	0.4397	0.4397	0.4470
96	43.00	0.02	0.0424	0.0424	0.0424	0.0424	0.4397	0.4397	0.4397	0.4397	0.4397	0.4461
97	43.20	0.03	0.0356	0.0356	0.0356	0.0356	0.4397	0.4397	0.4397	0.4397	0.4397	0.4463
98	42.00	0.02	0.0452	0.0452	0.0452	0.0452	0.4397	0.4397	0.4397	0.4397	0.4397	0.4451
99	42.00	0.02	0.0357	0.0357	0.0357	0.0357	0.4397	0.4397	0.4397	0.4397	0.4397	0.4450
100	42.00	0.03	0.0356	0.0356	0.0356	0.0356	0.4397	0.4397	0.4397	0.4397	0.4397	0.4454
101	42.50	0.01	0.0433	0.0433	0.0433	0.0433	0.4397	0.4397	0.4397	0.4397	0.4397	0.4453
102	40.10	0.02	0.0456	0.0456	0.0456	0.0456	0.4397	0.4397	0.4397	0.4397	0.4397	0.4457
103	40.30	0.03	0.0357	0.0357	0.0357	0.0357	0.4397	0.4397	0.4397	0.4397	0.4397	0.4453
104	40.30	0.06	0.0421	0.0421	0.0421	0.0421	0.4397	0.4397	0.4397	0.4397	0.4397	0.4455
105	40.60	0.02	0.0425	0.0425	0.0425	0.0425	0.4397	0.4397	0.4397	0.4397	0.4397	0.4451
106	40.00	0.01	0.0410	0.0410	0.0410	0.0410	0.4397	0.4397	0.4397	0.4397	0.4397	0.4451
107	47.00	0.02	0.0480	0.0480	0.0480	0.0480	0.4397	0.4397	0.4397	0.4397	0.4397	0.4453
108	47.20	0.01	0.0456	0.0456	0.0456	0.0456	0.4397	0.4397	0.4397	0.4397	0.4397	0.4447
109	47.40	0.01	0.0425	0.0425	0.0425	0.0425	0.4397	0.4397	0.4397	0.4397	0.4397	0.4453
110	47.50	0.04	0.0446	0.0446	0.0446	0.0446	0.4397	0.4397	0.4397	0.4397	0.4397	0.4441
111	47.70	0.02	0.0472	0.0472	0.0472	0.0472	0.4397	0.4397	0.4397	0.4397	0.4397	0.4443
112	47.50	0.04	0.0450	0.0450	0.0450	0.0450	0.4397	0.4397	0.4397	0.4397	0.4397	0.4470
113	40.00	0.02	0.0458	0.0458	0.0458	0.0458	0.4397	0.4397	0.4397	0.4397	0.4397	0.4438
114	40.20	0.05	0.0430	0.0430	0.0430	0.0430	0.4397	0.4397	0.4397	0.4397	0.4397	0.4469
115	40.40	0.00	0.0441	0.0441	0.0441	0.0441	0.4397	0.4397	0.4397	0.4397	0.4397	0.4463
116	40.00	0.04	0.0419	0.0419	0.0419	0.0419	0.4397	0.4397	0.4397	0.4397	0.4397	0.4444
117	40.60	0.08	0.0425	0.0425	0.0425	0.0425	0.4397	0.4397	0.4397	0.4397	0.4397	0.4431
118	40.50	0.05	0.0400	0.0400	0.0400	0.0400	0.4397	0.4397	0.4397	0.4397	0.4397	0.4428
119	40.10	0.05	0.0454	0.0454	0.0454	0.0454	0.4397	0.4397	0.4397	0.4397	0.4397	0.4425
120	40.30	0.04	0.0430	0.0430	0.0430	0.0430	0.4397	0.4397	0.4397	0.4397	0.4397	0.4398
121	40.50	0.04	0.0475	0.0475	0.0475	0.0475	0.4397	0.4397	0.4397	0.4397	0.4397	0.4413
122	40.60	0.05	0.0441	0.0441	0.0441	0.0441	0.4397	0.4397	0.4397	0.4397	0.4397	0.4403
123	40.80	0.01	0.0481	0.0481	0.0481	0.0481	0.4397	0.4397	0.4397	0.4397	0.4397	0.4392
124	40.00	0.05	0.0457	0.0457	0.0457	0.0457	0.4397	0.4397	0.4397	0.4397	0.4397	0.4395
125	50.23	0.02	0.0455	0.0455	0.0455	0.0455	0.4397	0.4397	0.4397	0.4397	0.4397	0.4392
126	50.30	0.07	0.0411	0.0411	0.0411	0.0411	0.4397	0.4397	0.4397	0.4397	0.4397	0.4381
127	50.56	0.01	0.0427	0.0427	0.0427	0.0427	0.4397	0.4397	0.4397	0.4397	0.4397	0.4387
128	50.75	0.01	0.0431	0.0431	0.0431	0.0431	0.4397	0.4397	0.4397	0.4397	0.4397	0.4380
129	50.91	0.03	0.0427	0.0427	0.0427	0.0427	0.4397	0.4397	0.4397	0.4397	0.4397	0.4377
130	51.00	0.01	0.0410	0.0410	0.0410	0.0410	0.4397	0.4397	0.4397	0.4397	0.4397	0.4370
131	51.20	0.01	0.0425	0.0425	0.0425	0.0425	0.4397	0.4397	0.4397	0.4397	0.4397	0.4373
132	51.37	0.01	0.0431	0.0431	0.0431	0.0431	0.4397	0.4397	0.4397	0.4397	0.4397	0.4364
133	51.54	0.01	0.0433	0.0433	0.0433	0.0433	0.4397	0.4397	0.4397	0.4397	0.4397	0.4363
134	51.70	0.01	0.0414	0.0414	0.0414	0.0414	0.4397	0.4397	0.4397	0.4397	0.4397	0.4356
135	51.87	0.06	0.0471	0.0471	0.0471	0.0471	0.4397	0.4397	0.4397	0.4397	0.4397	0.4357
136	52.00	0.02	0.0425	0.0425	0.0425	0.0425	0.4397	0.4397	0.4397	0.4397	0.4397	0.4362
137	52.22	0.01	0.0414	0.0414	0.0414	0.0414	0.4397	0.4397	0.4397	0.4397	0.4397	0.4338
138	52.40	0.03	0.0432	0.0432	0.0432	0.0432	0.4397	0.4397	0.4397	0.4397	0.4397	0.4364

PAGE 3 OF 3
SHEET 4 OF 4

NAUTAN MISSILE TAILS EFFECTS DATA

TEST PART NAME AXIC-E			PHI CONF		DEL1 DEL2		DEL3 DEL4		TRANSITION			
1 154 1.06 1.7			0.0 0.100 0.15		0 0 -20		0 -20		UNKNOWN			
FLINT	ALPHA	BETA	CNF3	CH3	C03	ACPF3	YCPF3	CNF4	CP4	CE4	ACPF4	YCPF4
139	52.53	-0.01	0.0152	0.0099	0.0117	0.0099	0.0113	0.0095	0.0173	0.0174	0.0196	0.0331
140	52.72	-0.01	0.0117	0.0099	0.0081	0.0099	0.0095	0.0081	0.0179	0.0185	0.0204	0.0344
141	52.90	-0.00	0.0035	0.0099	0.0137	0.0099	0.0095	0.0070	0.0173	0.0187	0.0195	0.0345
142	53.04	0.01	0.0003	0.0099	0.0127	0.0099	0.0027	0.0098	0.0170	0.0170	0.0200	0.0348
143	53.22	-0.01	0.0135	0.0099	0.0057	0.0099	0.0051	0.0074	0.0172	0.0173	0.0195	0.0335
144	53.38	-0.04	0.0100	0.0099	0.0120	0.0099	0.0097	0.0025	0.0170	0.0175	0.0197	0.0342
145	53.54	0.00	0.0152	0.0099	0.0117	0.0099	0.0113	0.0051	0.0185	0.0185	0.0191	0.0324
146	53.71	-0.02	0.0140	0.0099	0.0100	0.0099	0.0105	0.0052	0.0160	0.0161	0.0181	0.0305
147	53.85	-0.02	0.0140	0.0099	0.0103	0.0099	0.0082	0.0090	0.0158	0.0158	0.0178	0.0306
148	54.01	0.01	0.0120	0.0099	0.0155	0.0099	0.0035	0.0053	0.0150	0.0150	0.0176	0.0294
149	54.16	-0.02	0.0113	0.0099	0.0135	0.0099	0.0030	0.0028	0.0154	0.0154	0.0173	0.0293
150	54.32	-0.02	0.0094	0.0099	0.0080	0.0099	0.0030	0.0077	0.0154	0.0173	0.0181	0.0299
151	54.50	-0.04	0.0034	0.0099	0.0140	0.0099	0.0016	0.0095	0.0150	0.0150	0.0168	0.0288
152	54.64	-0.02	0.0140	0.0099	0.0100	0.0099	0.0021	0.0093	0.0145	0.0145	0.0160	0.0280
153	54.80	-0.00	0.0125	0.0099	0.0121	0.0099	0.0153	0.0029	0.0149	0.0149	0.0165	0.0277
154	54.95	-0.05	0.0140	0.0099	0.0100	0.0099	0.0105	0.0092	0.0150	0.0150	0.0168	0.0280
155	55.11	-0.01	0.0152	0.0099	0.0123	0.0099	0.0034	0.0079	0.0149	0.0149	0.0164	0.0273
156	55.26	-0.02	0.0113	0.0099	0.0133	0.0099	0.0027	0.0092	0.0147	0.0147	0.0162	0.0280
157	55.42	-0.01	0.0025	0.0099	0.0131	0.0099	0.0034	0.0116	0.0150	0.0150	0.0165	0.0275
158	55.57	-0.01	0.0120	0.0099	0.0137	0.0099	0.0029	0.0090	0.0154	0.0154	0.0170	0.0276
159	55.73	-0.05	0.0120	0.0099	0.0148	0.0099	0.0035	0.0069	0.0149	0.0149	0.0165	0.0273
160	55.90	-0.01	0.0100	0.0099	0.0150	0.0099	0.0030	0.0068	0.0150	0.0150	0.0166	0.0263
161	56.04	-0.04	0.0170	0.0099	0.0105	0.0099	0.0032	0.0061	0.0149	0.0149	0.0164	0.0275
162	56.21	-0.03	0.0100	0.0099	0.0152	0.0099	0.0039	0.0130	0.0152	0.0154	0.0167	0.0265
163	56.42	-0.02	0.0181	0.0099	0.0107	0.0099	0.0031	0.0098	0.0137	0.0137	0.0144	0.0250
164	56.54	-0.04	0.0027	0.0099	0.0130	0.0099	0.0034	0.0020	0.0140	0.0140	0.0146	0.0243
165	56.71	-0.07	0.0170	0.0099	0.0104	0.0099	0.0137	0.0098	0.0139	0.0139	0.0146	0.0253
166	56.87	-0.07	0.0117	0.0099	0.0065	0.0099	0.0030	0.0022	0.0130	0.0130	0.0143	0.0250
167	57.01	-0.06	0.0003	0.0099	0.0117	0.0099	0.0028	0.0027	0.0123	0.0123	0.0129	0.0253
168	57.14	-0.06	0.0014	0.0099	0.0112	0.0099	0.0020	0.0109	0.0142	0.0142	0.0156	0.0276
169	57.30	-0.06	0.0025	0.0099	0.0145	0.0099	0.0170	0.0071	0.0142	0.0142	0.0157	0.0272
170	57.44	-0.06	0.0015	0.0099	0.0105	0.0099	0.0080	0.0124	0.0137	0.0137	0.0150	0.0274
171	57.56	-0.06	0.0107	0.0099	0.0060	0.0099	0.0180	0.0110	0.0139	0.0139	0.0151	0.0263
172	57.72	-0.06	0.0027	0.0099	0.0110	0.0099	0.0090	0.0095	0.0130	0.0130	0.0142	0.0214
173	57.90	-0.06	0.0030	0.0099	0.0115	0.0099	0.0035	0.0035	0.0133	0.0133	0.0138	0.0214
174	58.03	-0.05	0.0003	0.0099	0.0130	0.0099	0.0035	0.0002	0.0121	0.0121	0.0128	0.0220
175	58.19	-0.05	0.0171	0.0099	0.0050	0.0099	0.0049	0.0070	0.0123	0.0123	0.0127	0.0203
176	58.33	-0.05	0.0001	0.0099	0.0155	0.0099	0.0133	0.0001	0.0119	0.0119	0.0123	0.0211
177	58.35	-0.04	0.0000	0.0099	0.0134	0.0099	0.0073	0.0059	0.0134	0.0134	0.0142	0.0245

PAGE 1 OF 3
 SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

PCINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
1	-5.79	0.01	-2.4700	9.5222	-0.0480	0.0239	0.0035	1.2050	0.3273	0.9583	-3.8542
2	-5.79	0.02	-2.4611	9.5100	-0.0731	0.0189	0.0030	1.2009	0.3200	0.9603	-3.8357
3	-5.79	0.03	-2.4628	9.5100	0.0274	-0.0362	0.0036	1.2000	0.3269	0.9611	-3.8338
4	-5.00	0.03	-2.5460	9.5032	0.0009	-0.0918	0.0035	1.2407	0.3209	0.9638	-3.7598
5	-4.76	0.04	-2.2455	9.1029	0.1150	-0.1025	0.0097	1.2059	0.3183	0.9456	-4.0757
6	-4.97	0.03	-2.0549	0.9050	0.0700	-0.1291	0.0101	1.2510	0.3100	0.9331	-4.2600
7	-1.21	0.03	-1.2473	8.4000	0.0500	-0.0323	0.0104	1.2139	0.3193	0.8947	-4.5505
8	0.03	0.03	-1.2579	7.7513	0.0100	0.0100	-0.0030	1.1809	0.3270	0.8593	-4.8508
9	2.47	0.02	-1.2154	8.7740	-0.0102	-0.0790	0.0005	1.1213	0.3356	0.7657	-5.5598
10	4.20	0.03	-0.9161	9.5215	-0.0143	0.0372	0.0000	1.0753	0.3301	0.7372	-6.4503
11	0.16	0.03	-0.5772	9.5000	-0.0000	-0.0000	0.0000	0.9800	0.3339	0.6547	-8.6085
12	0.03	0.01	-0.1767	9.0101	-0.1507	0.2107	0.0004	0.9159	0.3422	0.5737	-22.4414
13	9.00	0.03	0.2574	2.9502	0.0033	0.0097	0.0073	0.8398	0.3415	0.4984	12.6198
14	11.00	0.02	0.0010	1.9013	-0.0094	0.1050	0.0130	0.7772	0.3440	0.4320	3.1550
15	13.00	0.03	1.0553	1.0037	-0.0115	0.0755	0.0151	0.7051	0.3470	0.3561	1.0041
16	15.00	0.02	1.9015	0.1503	-0.1150	0.1000	0.0142	0.6207	0.3410	0.2791	0.1325
17	17.00	0.02	1.9434	-0.0103	-0.1240	0.3170	0.0522	0.5424	0.3378	0.2046	-0.3171
18	19.00	0.03	2.9222	-1.0003	0.0150	0.2505	0.0159	0.4007	0.3343	0.1345	-0.5230
19	21.00	0.02	3.0000	-1.7521	-0.0000	0.5800	0.0059	0.3700	0.3232	0.0556	-0.5758
20	23.00	0.02	3.0745	-1.9959	-0.1300	0.7175	-0.0403	0.3090	0.3091	0.0007	-0.5432
21	25.00	0.03	4.0172	-2.0055	-0.0072	0.6785	-0.0310	0.2050	0.3052	-0.0395	-0.4863
22	27.00	0.00	5.2273	-2.0402	0.0410	-1.1302	0.0432	0.1900	0.2977	-0.0491	-0.4477
23	20.14	0.00	5.0574	-2.2013	0.5450	-1.1770	0.0714	0.1745	0.2697	-0.1152	-0.4436
24	20.14	0.00	5.0790	-2.2010	0.4770	-1.1800	0.0620	0.1700	0.2625	-0.1137	-0.4524
25	20.14	0.05	5.1212	-2.2505	0.3757	-1.0001	0.0760	0.1760	0.2692	-0.1127	-0.4394
26	20.24	0.05	5.2017	-2.2750	0.3000	-0.9045	0.0500	0.1695	0.2605	-0.1141	-0.4567
27	20.64	0.03	5.4412	-2.4444	0.1505	-0.4315	0.0715	0.1544	0.2917	-0.1373	-0.4462
28	20.94	0.05	5.4033	-2.3005	0.3523	-0.6700	0.0500	0.1590	0.2424	-0.1328	-0.4319
29	29.22	0.05	5.8140	-2.4902	0.4250	-0.6594	0.0505	0.1455	0.2524	-0.1465	-0.4460
30	29.55	0.00	5.7550	-2.4000	0.5501	-1.1450	0.0899	0.1420	0.2470	-0.1550	-0.4598
31	29.03	0.07	5.7544	-2.7141	0.5754	-1.2200	0.0794	0.1203	0.3000	-0.1717	-0.4684
32	30.13	0.00	5.9941	-2.7100	0.0794	-1.4372	0.1129	0.1250	0.3077	-0.1821	-0.4529
33	30.37	0.06	6.0249	-2.0200	0.8020	-1.5490	0.1674	0.1210	0.3100	-0.1892	-0.4601
34	30.00	0.05	6.2145	-3.0151	0.5400	-1.1205	0.1345	0.1102	0.3077	-0.1975	-0.4851
35	30.57	0.06	6.3029	-3.1400	0.6594	-1.2335	0.1990	0.0904	0.3100	-0.2203	-0.4533
36	31.22	0.00	6.4000	-3.1500	0.5035	-0.9048	0.1000	0.0914	0.3100	-0.2194	-0.4972
37	31.52	0.05	6.0000	-3.3752	0.5020	-0.9050	0.2210	0.0740	0.3100	-0.2359	-0.5107
38	31.79	0.03	6.0000	-3.3200	0.3253	-0.5157	0.1010	0.0653	0.3040	-0.2352	-0.4950
39	32.00	0.04	6.7524	-3.3053	0.3430	-0.4537	0.1522	0.0605	0.3043	-0.2437	-0.4900
40	32.33	0.04	6.0755	-3.0000	0.3430	-0.7505	0.1524	0.0630	0.3005	-0.2446	-0.4890
41	32.59	0.03	6.5517	-3.4500	0.3253	-0.9153	0.1551	0.0401	0.3124	-0.2642	-0.4944
42	32.00	0.03	7.1102	-3.9910	0.3271	-0.9220	0.1300	0.0500	0.3092	-0.2585	-0.4911
43	33.12	0.05	7.2977	-3.0750	0.4630	-0.7601	0.1007	0.0300	0.3113	-0.2720	-0.5041
44	33.30	0.03	7.4105	-3.7007	0.2605	-0.5310	0.1915	0.0317	0.3172	-0.2654	-0.4994
45	33.03	0.02	7.5038	-3.8005	0.1020	-0.0502	0.1520	0.0352	0.3158	-0.2823	-0.5076
46	33.00	0.03	7.0053	-3.7200	0.2153	-0.1353	0.1095	0.0296	0.3190	-0.2894	-0.5160

PAGE 1 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MALE	AXIC-6	PHI	CONF	T	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1	155	1.1C	1.7	0.0	0.0	0.0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CLM	CLM	CLM	CLM	CLM	CLM	CLM	CLM	XCP
47	34.14	0.03	7.7233	-4.0553	0.2608	-0.1995	0.1917	0.0345	0.3212	-0.2866	-0.5256
48	34.34	0.02	7.8431	-4.1800	0.1532	-0.3300	0.2353	0.0190	0.3200	-0.3070	-0.5329
49	34.62	0.02	7.8736	-4.1875	0.1167	-0.0000	0.2134	0.0084	0.3187	-0.3103	-0.5318
50	34.88	0.04	8.0117	-4.2900	0.3461	-0.3189	0.2196	0.0130	0.3200	-0.3130	-0.5362
51	35.14	0.03	8.1078	-4.4000	0.3370	-0.3209	0.2410	-0.0110	0.3332	-0.3442	-0.5471
52	35.38	0.02	8.2455	-4.4474	0.0047	0.2458	0.1421	0.0048	0.3322	-0.3274	-0.5394
53	35.60	0.01	8.3042	-4.5405	0.0336	0.2293	0.1780	-0.0141	0.3337	-0.3476	-0.5468
54	35.87	0.03	8.4151	-4.6455	0.2031	0.2401	0.1703	-0.0150	0.3315	-0.3525	-0.5486
55	36.12	0.00	8.5525	-4.7743	-0.0046	0.4343	0.1760	-0.0365	0.3386	-0.3751	-0.5518
56	36.32	0.02	8.6457	-4.8555	0.1200	0.1812	0.2250	-0.0153	0.3403	-0.3536	-0.5621
57	36.63	0.01	8.7575	-4.9425	0.0230	0.5242	0.1711	-0.0292	0.3406	-0.3698	-0.5625
58	36.88	0.03	8.8272	-5.0477	0.2260	0.4098	0.1336	-0.0449	0.3392	-0.3841	-0.5654
59	37.10	0.03	9.0004	-5.0357	0.2150	0.3403	0.1722	-0.0435	0.3309	-0.3854	-0.5601
60	37.36	0.02	9.1100	-5.1300	0.1317	0.4027	0.1493	-0.0583	0.3365	-0.3948	-0.5627
61	37.59	0.03	9.1908	-5.2045	0.4555	0.1805	0.1736	-0.0586	0.3414	-0.3962	-0.5724
62	37.82	0.03	9.3525	-5.4420	0.2402	0.1812	0.1739	-0.0731	0.3400	-0.4191	-0.5815
63	38.08	0.01	9.3871	-5.5165	0.0038	0.5020	0.1785	-0.0447	0.3385	-0.3862	-0.5667
64	38.31	0.00	9.4558	-5.5753	-0.0204	0.0224	0.1516	-0.0642	0.3300	-0.4008	-0.5661
65	38.53	0.02	9.5440	-5.6621	0.1671	0.1990	0.1425	-0.0656	0.3334	-0.3990	-0.5723
66	38.76	0.00	9.6540	-5.6625	-0.0024	0.5157	0.0735	-0.0826	0.3250	-0.4076	-0.5661
67	39.01	0.00	9.8084	-5.5848	-0.0343	0.5054	0.0795	-0.0546	0.3286	-0.4232	-0.5694
68	39.25	0.00	9.9305	-5.6610	-0.0015	0.0939	0.1201	-0.0822	0.3310	-0.4132	-0.5721
69	39.47	0.02	9.9324	-5.7550	0.1254	0.6010	0.1313	-0.1032	0.3342	-0.4373	-0.5839
70	39.68	0.02	10.0024	-5.7000	0.1070	0.4408	0.0795	-0.1070	0.3490	-0.4373	-0.5716
71	39.88	0.01	10.0455	-5.8254	-0.1235	0.5510	0.1003	-0.1065	0.3300	-0.4364	-0.5801
72	40.12	0.01	10.2453	-6.0136	0.0034	0.0441	0.1102	-0.1137	0.3446	-0.4582	-0.5867
73	40.32	0.02	10.3017	-6.0004	0.1004	0.4574	0.0793	-0.1368	0.3268	-0.4655	-0.5834
74	40.52	0.02	10.4753	-6.1214	0.0410	0.5053	0.0690	-0.1115	0.3416	-0.4530	-0.5841
75	40.73	0.02	10.4443	-6.0546	0.1088	0.6183	0.0876	-0.0975	0.3429	-0.4403	-0.5835
76	40.94	0.01	10.6058	-6.1445	-0.0300	1.0015	0.0678	-0.1002	0.3400	-0.4541	-0.5839
77	41.14	0.02	10.8511	-6.2631	0.0000	0.7251	0.0687	-0.1304	0.3555	-0.4859	-0.5880
78	41.30	0.01	10.7535	-6.2200	-0.1000	0.0070	0.0423	-0.1437	0.3399	-0.4836	-0.5785
79	41.50	0.01	10.7545	-6.2505	-0.1804	0.7910	0.0372	-0.1358	0.3584	-0.4741	-0.5791
80	41.77	0.02	10.9231	-6.3820	-0.3173	1.0030	0.0323	-0.1404	0.3409	-0.4858	-0.5825
81	41.90	0.01	11.0413	-6.4533	-0.1010	1.0032	0.0218	-0.1154	0.3635	-0.4792	-0.5881
82	42.10	0.02	11.0763	-6.4013	-0.1740	0.9105	0.0361	-0.1485	0.3510	-0.4955	-0.5778
83	42.36	0.03	11.2102	-6.5135	-0.3132	1.1185	0.0005	-0.1371	0.3598	-0.5189	-0.5810
84	42.55	0.01	11.2270	-6.5051	-0.1192	1.1100	0.0002	-0.1441	0.3526	-0.4969	-0.5883
85	42.73	0.01	11.3041	-6.6232	-0.0667	1.0248	-0.0208	-0.1445	0.3525	-0.4970	-0.5859
86	43.00	0.01	11.4633	-6.7745	-0.2715	1.4004	-0.0275	-0.0206	0.3514	-0.5110	-0.5910
87	43.10	0.02	11.4545	-6.8073	-0.2131	1.2774	-0.0371	-0.1597	0.3406	-0.5003	-0.5809
88	43.27	0.02	11.5450	-6.8781	-0.2230	1.0743	-0.0415	-0.1814	0.3370	-0.5184	-0.5782
89	43.45	0.02	11.5403	-6.7012	-0.2215	1.1110	-0.0295	-0.1746	0.3409	-0.5155	-0.5804
90	43.65	0.02	11.6305	-6.8420	-0.2304	0.8108	-0.0293	-0.1714	0.3273	-0.4992	-0.5711
91	43.83	0.03	11.7328	-6.9537	-0.3417	1.6612	-0.0310	-0.1537	0.3466	-0.5003	-0.5842
92	43.95	0.02	11.7500	-6.8923	-0.1915	1.7544	-0.0396	-0.1020	0.3228	-0.5056	-0.5672

PAGE 1 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AXIG=6			PHI CNCF		L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
1 150 1.10 1.1			U.C BLIND FLIS		U.O	U	-20	U	-20	UNKNOWN	
FLINT	ALPHA	BETA	CN	CLM	CLY	CLN	CLL	LA	CAN	CAF	ACP
93	44.15	-0.02	11.8749	-6.7510	-0.2365	0.8168	-0.0231	-0.1760	0.3232	-0.4992	-0.5685
94	44.30	-0.02	11.9042	-6.7370	-0.2342	1.0860	-0.0402	-0.1815	0.3162	-0.4977	-0.5658
95	44.55	-0.04	11.9016	-6.7024	-0.3034	0.8510	-0.0389	-0.1634	0.3226	-0.4862	-0.5653
96	44.75	-0.03	12.1208	-6.9035	-0.2071	0.7120	-0.0273	-0.1968	0.3005	-0.5053	-0.5693
97	44.53	-0.04	12.1175	-6.6156	-0.2513	0.7441	-0.0327	-0.1966	0.3162	-0.5128	-0.5625
98	45.11	-0.04	12.1562	-6.1264	-0.2317	0.6772	-0.0268	-0.1964	0.3120	-0.5084	-0.5533
99	45.28	-0.04	12.1773	-6.7041	-0.2400	0.7440	-0.0379	-0.2077	0.3039	-0.5176	-0.5555
100	45.40	-0.04	12.3246	-6.0260	-0.3071	1.2340	-0.0603	-0.1944	0.3081	-0.5025	-0.5539
101	45.05	-0.03	12.3259	-6.0565	-0.2525	1.1642	-0.0768	-0.1915	0.3046	-0.4961	-0.5431
102	45.01	-0.03	12.3142	-6.7055	-0.3179	1.2445	-0.0770	-0.1747	0.3103	-0.4850	-0.5449
103	46.00	-0.03	12.4456	-6.7611	-0.3316	1.4227	-0.0589	-0.1761	0.3135	-0.4916	-0.5431
104	46.17	-0.02	12.5133	-6.0037	-0.6501	0.0017	-0.0309	-0.2040	0.2991	-0.5037	-0.5327
105	46.36	-0.04	12.6008	-6.7048	-0.3275	1.0502	-0.0697	-0.2013	0.3036	-0.5049	-0.5321
106	46.55	-0.02	12.5475	-6.0045	-0.1546	0.5544	-0.0300	-0.1903	0.3004	-0.4907	-0.5247
107	46.69	-0.02	12.7105	-6.0407	-0.2410	1.1637	-0.0809	-0.1860	0.3054	-0.4914	-0.5224
108	46.03	-0.03	12.7222	-6.5216	-0.3045	1.2515	-0.0701	-0.1870	0.3089	-0.4959	-0.5124
109	47.00	-0.02	12.7234	-6.5566	-0.1726	1.1675	-0.0599	-0.1644	0.3113	-0.4957	-0.5153
110	47.21	-0.04	12.8001	-6.4307	-0.3232	1.1534	-0.0475	-0.1654	0.3096	-0.4955	-0.5024
111	47.35	-0.03	12.5030	-6.3347	-0.1056	0.5200	-0.0356	-0.1719	0.3090	-0.4808	-0.4909
112	47.57	-0.02	12.6044	-6.3008	-0.1028	1.0040	-0.0300	-0.1665	0.3166	-0.4831	-0.4893
113	47.75	-0.02	13.0104	-6.3221	-0.1485	0.7572	-0.0319	-0.1492	0.3257	-0.4748	-0.4860
114	47.62	-0.02	13.0055	-6.4566	-0.1145	0.7034	0.0041	-0.0944	0.3527	-0.4520	-0.4966
115	46.08	-0.02	13.1240	-6.4636	-0.1035	0.5628	0.0411	-0.1100	0.3720	-0.4620	-0.4525
116	46.20	-0.02	13.1000	-6.4162	-0.1516	0.5220	0.0467	-0.0634	0.3843	-0.4527	-0.4899
117	46.43	0.01	13.2612	-6.2517	0.0643	0.8853	0.0964	-0.0462	0.3596	-0.4458	-0.4714
118	46.01	-0.01	13.2375	-6.3707	-0.0457	0.9805	0.1014	-0.0530	0.4056	-0.4580	-0.4817
119	46.77	-0.00	13.3534	-6.3401	-0.0502	0.6295	0.1242	-0.0621	0.4052	-0.4673	-0.4734
120	46.95	-0.02	13.4453	-6.1023	-0.0027	0.6543	0.1245	-0.0352	0.4063	-0.4415	-0.4608
121	49.12	-0.02	13.3553	-6.1474	-0.0415	0.5566	0.0817	-0.0343	0.3905	-0.4748	-0.4602
122	45.20	0.00	13.4420	-6.1023	0.1032	0.6739	0.1142	-0.0353	0.3838	-0.4391	-0.4584
123	45.46	-0.01	13.5544	-6.0519	0.0554	0.7009	0.0620	-0.0628	0.3607	-0.4435	-0.4487
124	49.00	0.01	13.4007	-5.7470	0.0835	1.0445	0.0807	-0.0390	0.3845	-0.4235	-0.4264
125	46.01	0.00	13.2213	-5.0073	-0.0035	1.5518	0.1225	-0.0341	0.3779	-0.4120	-0.3820
126	45.50	0.01	13.4025	-5.7716	0.1130	1.1016	0.0909	-0.0290	0.3913	-0.4203	-0.4247
127	50.13	0.01	13.3659	-5.0075	0.0358	1.5449	0.0754	-0.0358	0.3729	-0.4087	-0.3746
128	50.31	0.02	13.3523	-4.0742	0.1404	1.4897	0.0325	-0.0412	0.3772	-0.4104	-0.3650
129	50.50	0.02	13.4657	-4.8265	0.1633	1.4701	0.0797	-0.0394	0.3891	-0.4285	-0.3583
130	50.07	0.03	13.0172	-4.3730	0.1026	1.4719	0.0504	-0.0232	0.4020	-0.4260	-0.3579
131	50.24	0.03	13.7213	-4.5548	0.1870	1.4811	0.0642	-0.0118	0.4072	-0.4190	-0.3611
132	42.17	-0.03	13.9720	-5.1441	0.0570	1.5270	0.0530	-0.0970	0.4125	-0.3156	-0.3653
133	51.10	0.03	13.7470	-4.0202	0.1574	1.4536	0.0536	-0.0150	0.4210	-0.4360	-0.3506
134	51.34	0.04	13.0045	-4.9007	0.1605	1.3022	0.0344	-0.0049	0.4249	-0.4348	-0.3533
135	51.52	0.03	13.5478	-4.9155	0.1665	1.2492	0.0496	-0.0260	0.4245	-0.4505	-0.3527
136	51.70	0.02	14.0702	-5.0544	0.1727	1.1254	0.0359	-0.0297	0.4312	-0.4609	-0.3594
137	51.86	0.04	14.0645	-5.0478	0.2750	1.1652	0.0501	-0.0168	0.4243	-0.4411	-0.3585
138	52.04	0.03	13.5044	-4.0534	0.2570	1.0359	0.0350	-0.0209	0.4254	-0.4523	-0.3469

PAGE 1 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACF RX10-6 PHI CCAF C DEL1 DEL2 DEL3 DEL4 TRANSITION											
7 155 1.10 1.7 0.0 0.01013 C.C 0 -20 0 -20 UNKNOWN											
PCINT	ALPHA	BETA	CN	CLM	CL	CLN	CLL	CA	LAB	CAF	XCP
139	52.20	0.04	14.1063	-4.5503	0.3201	0.1155	0.0506	-0.0465	0.4237	-0.4702	-0.3509
140	52.30	0.04	14.2100	-4.5634	0.3362	0.0424	0.0507	-0.0464	0.4206	-0.4756	-0.3493
141	52.54	0.04	14.2361	-5.0158	0.2256	0.0538	0.0353	-0.0520	0.4245	-0.4765	-0.3528
142	52.69	0.03	14.2154	-4.0548	0.2445	0.0517	0.0315	-0.0623	0.4277	-0.4701	-0.3442
143	52.84	0.04	14.1667	-4.6013	0.3443	0.0505	0.0462	-0.0582	0.4255	-0.4858	-0.3384
144	53.02	0.03	14.1585	-4.8352	0.2541	0.0502	0.0462	-0.0554	0.4314	-0.4874	-0.3405
145	53.18	0.04	14.2118	-4.7855	0.3456	0.0632	0.0465	-0.0674	0.4279	-0.4959	-0.3367
146	53.34	0.05	14.2250	-4.6465	0.4085	0.1043	0.0466	-0.0670	0.4267	-0.5158	-0.3398
147	53.51	0.03	14.2812	-4.6035	0.2040	0.0700	0.0414	-0.0777	0.4310	-0.5068	-0.3363
148	53.68	0.03	14.3466	-4.0553	0.2527	0.0573	0.0366	-0.0457	0.4263	-0.5200	-0.3387
149	53.84	0.02	14.3655	-4.8048	0.1726	0.0651	0.0370	-0.0901	0.4285	-0.5227	-0.3345
150	53.90	0.02	14.4260	-4.7141	0.1454	0.0377	0.0371	-0.1054	0.4291	-0.5385	-0.3406
151	54.14	0.01	14.3934	-4.8587	0.0746	0.0471	0.0421	-0.1171	0.4259	-0.5430	-0.3376
152	54.29	0.01	14.4101	-4.7567	0.1644	0.0645	0.0370	-0.1531	0.4162	-0.5693	-0.3301
153	54.44	0.01	14.3735	-4.8059	0.0096	0.0034	0.0369	-0.1658	0.4124	-0.5422	-0.3344
154	54.60	0.00	14.4547	-4.8353	0.0690	0.1108	0.0373	-0.1376	0.4244	-0.5620	-0.3345
155	54.74	0.00	14.3683	-4.7172	0.1583	0.0145	0.0261	-0.1513	0.4000	-0.5513	-0.3283
156	54.90	0.00	14.5116	-4.7107	0.0623	0.1502	0.0316	-0.1716	0.4026	-0.5744	-0.3388
157	55.06	0.02	14.5333	-4.5115	0.0023	0.0531	0.0378	-0.1777	0.4055	-0.5872	-0.3379
158	55.21	0.02	14.5126	-4.7740	0.1324	0.0557	0.0322	-0.1697	0.4113	-0.6010	-0.3427
159	55.37	0.02	14.4467	-4.7905	0.2524	0.0512	0.0424	-0.1691	0.4046	-0.5937	-0.3316
160	55.53	0.02	14.6105	-5.0075	0.0589	0.1511	0.0377	-0.2115	0.4021	-0.6136	-0.3428
161	55.68	0.02	14.5000	-4.5554	0.0135	0.0867	0.0363	-0.2321	0.4043	-0.6064	-0.3420
162	55.84	0.03	14.6045	-5.0051	0.0503	0.0638	0.0367	-0.2115	0.4070	-0.6105	-0.3482
163	56.01	0.01	14.5667	-5.1388	0.0376	0.0508	0.0437	-0.2313	0.4037	-0.6350	-0.3523
164	56.17	0.03	14.6405	-5.1647	0.0355	0.0706	0.0501	-0.2224	0.4117	-0.6340	-0.3541
165	56.32	0.02	14.7456	-5.3044	0.3822	0.3265	0.0443	-0.2335	0.4270	-0.6605	-0.3557
166	56.49	0.02	14.6750	-5.1267	0.0617	0.0005	0.0405	-0.2296	0.4323	-0.6619	-0.3494
167	56.65	0.04	14.8224	-5.2572	0.1104	0.3627	0.0470	-0.2283	0.4557	-0.6741	-0.3574
168	56.79	0.04	14.8364	-5.3080	0.0734	0.1714	0.0524	-0.2202	0.4417	-0.6619	-0.3632
169	56.93	0.04	14.6381	-5.1753	0.0698	0.2935	0.0520	-0.2329	0.4317	-0.6646	-0.3536
170	57.11	0.06	14.6769	-5.4517	0.2773	0.5024	0.0356	-0.2550	0.4100	-0.6737	-0.3665
171	57.23	0.04	14.4856	-5.2023	0.1032	0.1583	0.0735	-0.2551	0.4258	-0.6850	-0.3590
172	57.40	0.02	14.7542	-5.3576	0.0808	0.2662	0.0638	-0.2623	0.4177	-0.6807	-0.3648
173	57.55	0.01	14.6775	-5.5563	0.2740	0.3697	0.0417	-0.2794	0.4114	-0.6914	-0.3735
174	57.60	0.01	14.7000	-5.5410	0.1740	0.0701	0.0632	-0.3052	0.4204	-0.7261	-0.3747
175	57.83	0.06	14.8205	-5.5506	0.1414	0.0883	0.0632	-0.2715	0.4330	-0.7040	-0.3749
176	57.99	0.05	14.6754	-5.0065	0.1025	0.0504	0.0521	-0.2792	0.4322	-0.7115	-0.3777
177	58.12	0.04	14.8279	-5.6775	0.0650	0.1776	0.0629	-0.2531	0.4500	-0.7038	-0.3829
178	58.27	0.07	14.6652	-5.7503	0.0452	0.4000	0.0624	-0.2704	0.4394	-0.7104	-0.3900
179	58.37	0.04	14.9021	-5.8552	0.0587	0.2297	0.0629	-0.2917	0.4322	-0.7239	-0.3932
180	58.37	0.05	14.6151	-5.6007	0.1011	0.1258	0.0520	-0.3036	0.4355	-0.7391	-0.3779
181	57.90	0.11	14.8740	-5.5304	0.0488	0.0339	0.0232	-0.3015	0.4088	-0.7101	-0.3718

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME: MXIC-2		Phi		CCAF		L		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7		100 1.00 1.7		C.C. MANG13		0.0		0		-20		0		-20		UNKNOWN	
PCINT	ALPHA	BETA	CNF1	CNF1	CNF1	ACPF1	YCPF1	CAF2	Cn2	CE2	XCPF2	YCPF2					
1	-5.79	0.01	0.0000	0.0001	0.0001	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
2	-5.79	0.02	0.0001	0.0002	0.0002	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
3	-5.79	0.03	0.0002	0.0003	0.0003	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
4	-5.79	0.04	0.0003	0.0004	0.0004	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
5	-5.79	0.05	0.0004	0.0005	0.0005	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
6	-5.79	0.06	0.0005	0.0006	0.0006	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
7	-5.79	0.07	0.0006	0.0007	0.0007	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
8	-5.79	0.08	0.0007	0.0008	0.0008	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
9	-5.79	0.09	0.0008	0.0009	0.0009	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
10	-5.79	0.10	0.0009	0.0010	0.0010	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
11	-5.79	0.11	0.0010	0.0011	0.0011	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
12	-5.79	0.12	0.0011	0.0012	0.0012	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
13	-5.79	0.13	0.0012	0.0013	0.0013	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
14	-5.79	0.14	0.0013	0.0014	0.0014	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
15	-5.79	0.15	0.0014	0.0015	0.0015	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
16	-5.79	0.16	0.0015	0.0016	0.0016	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
17	-5.79	0.17	0.0016	0.0017	0.0017	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
18	-5.79	0.18	0.0017	0.0018	0.0018	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
19	-5.79	0.19	0.0018	0.0019	0.0019	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
20	-5.79	0.20	0.0019	0.0020	0.0020	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
21	-5.79	0.21	0.0020	0.0021	0.0021	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
22	-5.79	0.22	0.0021	0.0022	0.0022	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
23	-5.79	0.23	0.0022	0.0023	0.0023	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
24	-5.79	0.24	0.0023	0.0024	0.0024	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
25	-5.79	0.25	0.0024	0.0025	0.0025	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
26	-5.79	0.26	0.0025	0.0026	0.0026	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
27	-5.79	0.27	0.0026	0.0027	0.0027	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
28	-5.79	0.28	0.0027	0.0028	0.0028	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
29	-5.79	0.29	0.0028	0.0029	0.0029	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
30	-5.79	0.30	0.0029	0.0030	0.0030	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
31	-5.79	0.31	0.0030	0.0031	0.0031	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
32	-5.79	0.32	0.0031	0.0032	0.0032	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
33	-5.79	0.33	0.0032	0.0033	0.0033	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
34	-5.79	0.34	0.0033	0.0034	0.0034	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
35	-5.79	0.35	0.0034	0.0035	0.0035	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
36	-5.79	0.36	0.0035	0.0036	0.0036	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
37	-5.79	0.37	0.0036	0.0037	0.0037	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
38	-5.79	0.38	0.0037	0.0038	0.0038	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
39	-5.79	0.39	0.0038	0.0039	0.0039	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
40	-5.79	0.40	0.0039	0.0040	0.0040	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
41	-5.79	0.41	0.0040	0.0041	0.0041	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
42	-5.79	0.42	0.0041	0.0042	0.0042	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
43	-5.79	0.43	0.0042	0.0043	0.0043	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
44	-5.79	0.44	0.0043	0.0044	0.0044	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
45	-5.79	0.45	0.0044	0.0045	0.0045	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					
46	-5.79	0.46	0.0045	0.0046	0.0046	0.7629	1.9312	-1.2354	-0.0047	-0.5632	0.0038	0.4721					

PAGE 2 OF 3
 SHEET 2 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART		MACH		RX10=E		PHI	CCRF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		155		1.10		1.7		0.0	0.0	0.0	0.0	0.0	UNACCM
PCINT	ALPHA	BETA	CNF1	Cn1	Cb1	ACPF1	YCPF1	CNF2	Cn2	Cb2	XCPF2	YCPF2	
47	34.16	0.03	0.2523	0.0053	0.1404	0.0210	0.5858	0.9533	0.0325	0.4141	0.0341	0.4344	
48	34.39	0.02	0.2622	0.0054	0.1566	0.0209	0.5823	0.9522	0.0316	0.4184	0.0325	0.4344	
49	34.62	0.02	0.2725	0.0057	0.1550	0.0246	0.5790	0.9795	0.0311	0.4250	0.0318	0.4338	
50	34.88	0.04	0.2851	0.0075	0.1596	0.0203	0.5576	0.9794	0.0308	0.4247	0.0315	0.4335	
51	35.14	0.03	0.3056	0.0095	0.1690	0.0311	0.5530	0.9785	0.0304	0.4234	0.0311	0.4328	
52	35.30	0.04	0.1537	0.0044	0.1245	0.0220	0.6273	0.9980	0.0315	0.4317	0.0316	0.4323	
53	35.60	0.01	0.2315	0.0058	0.1375	0.0250	0.5945	0.9987	0.0310	0.4322	0.0311	0.4327	
54	35.67	0.03	0.1500	0.0023	0.1135	0.0154	0.6400	1.0078	0.0312	0.4362	0.0310	0.4328	
55	36.12	0.00	0.2405	0.0061	0.1452	0.0337	0.6037	0.9970	0.0293	0.4314	0.0294	0.4327	
56	36.32	0.02	0.2641	0.0064	0.1550	0.0337	0.5842	1.0048	0.0235	0.4342	0.0284	0.4321	
57	36.63	0.01	0.1830	0.0046	0.1151	0.0263	0.6539	1.0160	0.0286	0.4397	0.0281	0.4315	
58	36.88	0.03	0.1214	0.0025	0.0804	0.0206	0.7113	1.0246	0.0283	0.4430	0.0277	0.4324	
59	37.10	0.03	0.1541	0.0074	0.1192	0.0382	0.6141	1.0215	0.0270	0.4413	0.0265	0.4320	
60	37.36	0.02	0.1510	0.0055	0.1237	0.0496	0.6470	1.0260	0.0261	0.4427	0.0255	0.4315	
61	37.59	0.03	0.1919	0.0056	0.1202	0.0501	0.6264	1.0372	0.0248	0.4402	0.0239	0.4321	
62	37.82	0.03	0.1856	0.0055	0.1142	0.0512	0.6140	1.0403	0.0245	0.4422	0.0234	0.4313	
63	38.00	0.01	0.1887	0.0064	0.1051	0.0360	0.6412	1.0616	0.0245	0.4576	0.0235	0.4310	
64	38.21	0.01	0.1232	0.0050	0.0816	0.0455	0.6092	1.0601	0.0245	0.4500	0.0230	0.4303	
65	38.53	0.02	0.1572	0.0060	0.0972	0.0510	0.6181	1.0685	0.0241	0.4583	0.0226	0.4295	
66	38.78	0.00	0.0455	0.0046	0.0634	0.0461	0.6373	1.0861	0.0242	0.4656	0.0223	0.4285	
67	39.01	0.00	0.1000	0.0025	0.0643	0.0250	0.6427	1.0938	0.0245	0.4683	0.0222	0.4282	
68	39.25	0.00	0.1240	0.0053	0.0775	0.0428	0.6231	1.0940	0.0240	0.4671	0.0220	0.4270	
69	39.47	0.02	0.0554	0.0037	0.0670	0.0373	0.6735	1.1026	0.0243	0.4706	0.0221	0.4268	
70	39.68	0.02	0.0610	0.0044	0.0511	0.0355	0.6250	1.1172	0.0240	0.4761	0.0215	0.4262	
71	39.88	0.01	0.0910	0.0026	0.0576	0.0286	0.6335	1.1274	0.0241	0.4787	0.0214	0.4246	
72	40.12	0.01	0.1027	0.0036	0.0664	0.0351	0.6463	1.1341	0.0235	0.4809	0.0211	0.4240	
73	40.32	0.02	0.0762	0.0015	0.0455	0.0197	0.6499	1.1407	0.0243	0.4833	0.0213	0.4237	
74	40.52	0.02	0.0607	0.0007	0.0525	0.0087	0.6335	1.1303	0.0244	0.4810	0.0215	0.4233	
75	40.73	0.02	0.0650	0.0006	0.0503	0.0087	0.7295	1.1506	0.0237	0.4856	0.0208	0.4215	
76	40.94	0.01	0.0550	0.0015	0.0461	0.0054	0.7739	1.1653	0.0244	0.4903	0.0210	0.4208	
77	41.14	0.02	0.0671	0.0008	0.0502	0.0115	0.7407	1.1667	0.0242	0.4903	0.0208	0.4203	
78	41.36	0.01	0.0668	0.0033	0.0304	0.0067	0.6600	1.1733	0.0255	0.4915	0.0210	0.4193	
79	41.55	0.01	0.0308	0.0004	0.0256	0.0127	0.6774	1.1745	0.0250	0.4919	0.0213	0.4186	
80	41.77	0.02	0.0270	0.0001	0.0252	0.0200	0.6312	1.1901	0.0251	0.4961	0.0211	0.4165	
81	41.96	0.01	0.0115	0.0000	0.0227	0.0157	0.7052	1.1868	0.0258	0.4926	0.0218	0.4151	
82	42.16	0.02	0.0001	0.0000	0.0145	0.0040	0.7401	1.1934	0.0258	0.4960	0.0217	0.4157	
83	42.36	0.03	0.0034	0.0011	0.0115	0.0064	0.7332	1.2038	0.0261	0.4989	0.0217	0.4145	
84	42.53	0.01	0.0140	0.0016	0.0123	0.0074	0.6363	1.1995	0.0266	0.4935	0.0222	0.4118	
85	42.73	0.01	0.0247	0.0017	0.0007	0.0066	0.0202	1.2095	0.0264	0.4983	0.0219	0.4120	
86	43.08	0.03	0.0454	0.0015	0.0006	0.0010	0.1496	1.2086	0.0270	0.4932	0.0224	0.4081	
87	43.10	0.02	0.0242	0.0017	0.0015	0.0036	0.2546	1.2063	0.0267	0.4907	0.0222	0.4067	
88	43.27	0.02	0.0000	0.0000	0.0012	0.0031	0.2404	1.2107	0.0268	0.4958	0.0220	0.4068	
89	43.45	0.02	0.0025	0.0024	0.0016	0.0032	0.2537	1.2150	0.0260	0.4919	0.0214	0.4043	
90	43.60	0.02	0.0053	0.0022	0.0012	0.0007	0.2705	1.2170	0.0260	0.4930	0.0214	0.4051	
91	43.83	0.03	0.0130	0.0021	0.0037	0.0101	0.3310	1.1869	0.0231	0.4700	0.0195	0.3980	
92	43.99	0.02	0.0013	0.0012	0.0044	0.0134	0.3903	1.2068	0.0233	0.4793	0.0193	0.3971	

PAGE 2 OF 3
SHEET 8 OF 8

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART WACH KALC-E			PRI	CNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 125 1.1C 1.7			C.C	810013	C.C	0	-20	0	-20	UNKNOWN		
PCINT	ALPHA	BETA	CNF1	CH1	CH2	XCFF1	YCCF1	CNF2	CH2	CE2	XCFF2	YCCF2
93	44.19	-0.02	-0.0064	-0.0052	-0.0062	0.6194	0.5753	1.2098	0.0166	0.4750	0.0154	0.3927
94	44.30	-0.02	-0.0064	-0.0052	-0.0062	0.6194	0.5753	1.2104	0.0164	0.4757	0.0156	0.3925
95	44.35	-0.04	-0.0063	-0.0052	-0.0062	0.6250	0.5390	1.2101	0.0166	0.4732	0.0137	0.3511
96	44.75	-0.03	-0.0065	-0.0054	-0.0065	0.6588	0.5187	1.2120	0.0153	0.4733	0.0126	0.3503
97	44.93	-0.04	-0.0062	-0.0052	-0.0062	0.6110	0.6115	1.1946	0.0135	0.4648	0.0113	0.3675
98	45.11	-0.04	-0.0060	-0.0050	-0.0060	0.5503	0.9112	1.2043	0.0123	0.4645	0.0102	0.3657
99	45.28	-0.04	-0.0067	-0.0056	-0.0064	0.6042	0.4850	1.2088	0.0134	0.4651	0.0111	0.3681
100	45.40	-0.04	-0.0064	-0.0052	-0.0064	0.6431	0.5067	1.1948	0.0118	0.4546	0.0099	0.3847
101	45.05	-0.03	-0.0062	-0.0052	-0.0062	0.6238	0.5749	1.1674	0.0059	0.4525	0.0063	0.3814
102	45.01	-0.03	-0.0062	-0.0052	-0.0062	0.6014	0.4744	1.1908	0.0106	0.4558	0.0089	0.3828
103	46.00	-0.03	-0.0062	-0.0052	-0.0062	0.6076	0.4536	1.1918	0.0102	0.4550	0.0086	0.3817
104	46.17	-0.02	-0.0062	-0.0052	-0.0062	0.6275	0.4584	1.1922	0.0082	0.4525	0.0069	0.3765
105	46.36	-0.04	-0.0064	-0.0052	-0.0064	0.6317	0.5749	1.1835	0.0075	0.4475	0.0063	0.3762
106	46.53	-0.02	-0.0062	-0.0052	-0.0062	0.6384	0.5554	1.1770	0.0066	0.4432	0.0056	0.3766
107	46.60	-0.02	-0.0062	-0.0052	-0.0062	0.6458	0.5379	1.1773	0.0072	0.4431	0.0061	0.3764
108	46.60	-0.03	-0.0064	-0.0052	-0.0064	0.6098	0.4463	1.1772	0.0072	0.4434	0.0061	0.3767
109	47.04	-0.02	-0.0062	-0.0052	-0.0062	0.6212	0.5368	1.1841	0.0082	0.4367	0.0053	0.3751
110	47.21	-0.04	-0.0067	-0.0056	-0.0064	0.6573	0.5733	1.1552	0.0061	0.4314	0.0053	0.3734
111	47.35	-0.03	-0.0065	-0.0054	-0.0061	0.6207	0.6086	1.1423	0.0056	0.4242	0.0049	0.3714
112	47.57	-0.02	-0.0064	-0.0052	-0.0064	0.4693	0.6780	1.1365	0.0056	0.4227	0.0049	0.3716
113	47.75	-0.02	-0.0067	-0.0056	-0.0061	0.1464	2.2268	1.0922	0.0057	0.4007	0.0052	0.3664
114	47.92	-0.02	-0.0060	-0.0050	-0.0062	-3.2509	-1.0344	1.0022	0.0051	0.3571	0.0047	0.3670
115	48.08	-0.02	-0.0062	-0.0052	-0.0062	-1.5842	-1.3018	1.0711	0.0054	0.3515	0.0050	0.3655
116	48.20	-0.02	-0.0067	-0.0056	-0.0064	-1.7130	-2.2716	1.0020	0.0073	0.3701	0.0071	0.3605
117	48.43	0.01	-0.0063	-0.0053	-0.0061	0.1220	-0.3606	0.4605	0.0110	0.3420	0.0115	0.3561
118	48.61	-0.01	-0.0064	-0.0052	-0.0064	0.1236	-0.2251	0.4672	0.0105	0.3463	0.0109	0.3581
119	48.77	-0.00	-0.0064	-0.0054	-0.0065	0.2096	0.5020	0.5605	0.0109	0.3426	0.0114	0.3567
120	48.93	-0.02	-0.0066	-0.0060	-0.0061	0.1634	0.1841	0.5510	0.0110	0.3376	0.0116	0.3551
121	49.12	-0.02	-0.0061	-0.0051	-0.0064	0.2072	0.1167	0.5716	0.0105	0.3460	0.0108	0.3582
122	49.20	0.00	-0.0065	-0.0052	-0.0064	0.2019	0.1744	0.4646	0.0108	0.3447	0.0112	0.3573
123	49.40	-0.01	-0.0064	-0.0057	-0.0062	0.2717	0.0458	0.4840	0.0107	0.3526	0.0105	0.3584
124	49.64	0.01	-0.0064	-0.0054	-0.0062	0.0553	0.6790	0.0653	0.0159	0.2555	0.0164	0.3466
125	49.81	0.00	-0.0063	-0.0058	-0.0062	0.0414	0.6680	0.0837	0.0187	0.2881	0.0225	0.3456
126	49.90	0.01	-0.0067	-0.0053	-0.0065	1.1203	-2.2412	0.5234	0.0116	0.3242	0.0126	0.3565
127	50.13	0.01	-0.0067	-0.0055	-0.0077	0.0336	0.6194	0.8458	0.0109	0.3005	0.0159	0.3537
128	50.31	0.02	-0.0066	-0.0053	-0.0061	0.0339	0.0722	0.8300	0.0176	0.2951	0.0213	0.3515
129	50.50	0.02	-0.0067	-0.0052	-0.0066	0.0411	0.5871	0.8416	0.0182	0.2955	0.0217	0.3511
130	50.67	0.03	-0.0065	-0.0058	-0.0068	0.0307	0.5051	0.8438	0.0175	0.2968	0.0208	0.3518
131	50.84	0.03	-0.0061	-0.0053	-0.0062	0.0465	0.5498	0.8591	0.0165	0.3032	0.0192	0.3530
132	51.01	-0.03	-0.0067	-0.0060	-0.0066	0.0440	0.5087	0.8500	0.0168	0.3024	0.0196	0.3531
133	51.18	0.03	-0.0063	-0.0063	-0.0064	0.0315	0.5951	0.8688	0.0160	0.3074	0.0184	0.3538
134	51.34	0.04	-0.0060	-0.0065	-0.0068	0.0175	0.6123	0.8623	0.0168	0.3147	0.0168	0.3567
135	51.52	0.03	-0.0061	-0.0063	-0.0065	0.0103	0.5999	0.8734	0.0152	0.3054	0.0174	0.3542
136	51.70	0.04	-0.0063	C.C	-0.0063	C.C	0.4249	0.8054	0.0136	0.3196	0.0152	0.3567
137	51.88	0.04	-0.0060	-0.0061	-0.0061	0.0051	0.6449	0.8914	0.0140	0.3179	0.0157	0.3566
138	52.01	0.03	-0.0061	-0.0063	-0.0066	-0.0254	0.6162	0.8936	0.0137	0.3193	0.0154	0.3575

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NAME RX10-E												
7 155 1.10 1.7												
PHI CNF1 CNI C01 XCPF1 YCPF1 CNF2 C02 XCPF2 YCPF2												
0.0 0.0000 0.0 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000												
DEL1 DEL2 DEL3 DEL4 TRANSITION												
0 -20 0 -20 UNKNOWN												
PLINT	ALPHA	BETA	CNF1	CNI	C01	XCPF1	YCPF1	CNF2	C02	XCPF2	YCPF2	
139	52.20	0.04	0.0001	0.0004	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
140	52.30	0.04	0.0002	0.0004	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
141	52.50	0.04	0.0007	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
142	52.60	0.03	0.0005	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
143	52.64	0.04	0.0005	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
144	53.02	0.03	0.0004	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
145	53.12	0.04	0.0004	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
146	53.34	0.03	0.0004	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
147	53.51	0.03	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
148	53.60	0.03	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
149	53.84	0.02	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
150	53.98	0.02	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
151	54.14	0.01	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
152	54.29	0.01	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
153	54.44	0.01	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
154	54.60	0.00	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
155	54.74	0.00	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
156	54.90	0.00	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
157	55.06	0.00	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
158	55.21	0.00	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
159	55.37	0.00	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
160	55.53	0.00	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
161	55.68	0.00	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
162	55.84	0.00	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
163	56.01	0.01	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
164	56.17	0.01	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
165	56.32	0.02	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
166	56.49	0.02	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
167	56.65	0.04	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
168	56.79	0.04	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
169	56.93	0.04	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
170	57.11	0.06	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
171	57.23	0.04	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
172	57.40	0.02	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
173	57.55	0.01	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
174	57.68	0.01	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
175	57.83	0.00	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
176	57.99	0.00	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
177	58.12	0.04	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
178	58.27	0.01	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
179	58.37	0.04	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
180	58.37	0.05	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
181	57.90	0.11	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 2X10-6			Pna		CONF		DEL1		DEL2		DEL3		DEL4		TRANSITION	
7			455 1.0 1.7		0.0 0.13 0.13		C.C		0		-20		0		-20 UNKNOWN	
POINT	ALPHA	BETA	CNF2	CNF3	Cb3	XCPF3	YCPF3	CNF4	Cb4	Cb4	XCPF4	YCPF4				
1	-5.75	0.01	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
2	-5.75	0.02	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
3	-5.75	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
4	-5.80	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
5	-4.76	0.04	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
6	-2.47	0.05	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
7	-1.21	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
8	0.63	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
9	2.47	0.02	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
10	4.26	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
11	6.14	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
12	8.03	0.01	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
13	9.86	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
14	11.80	0.02	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
15	13.64	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
16	15.67	0.02	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
17	17.63	0.02	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
18	19.63	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
19	21.65	0.02	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
20	23.68	0.02	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
21	25.68	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
22	27.76	0.06	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
23	28.14	0.06	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
24	28.14	0.06	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
25	28.14	0.05	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
26	28.24	0.05	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
27	28.64	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
28	28.64	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
29	29.22	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
30	29.35	0.06	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
31	29.83	0.07	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
32	30.13	0.06	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
33	30.37	0.06	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
34	30.68	0.05	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
35	30.97	0.06	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
36	31.22	0.06	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
37	31.52	0.05	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
38	31.75	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
39	32.06	0.04	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
40	32.33	0.04	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
41	32.59	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
42	32.86	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
43	33.12	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
44	33.36	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
45	33.63	0.02	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	
46	33.86	0.03	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	0.0377	

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART PACH-RIXIC-6												
7			100		1.10		1.2		C.C. 0.00F13		C.C.	
									DEL1		DEL2	
									DEL3		DEL4	
									TRANSITION			
									UNKNOWN			
FLINT	ALPHA	BETA	LMF3	CH3	CD3	ACPF3	YCPF3	CRF4	CH4	CB4	XCPF4	YCPF4
47	34.16	0.03	0.0330	5.5555	0.0025	5.5555	0.0760	0.9222	0.0439	0.4431	0.0476	0.4809
48	34.39	0.02	0.0235	5.5555	0.0047	5.5555	0.1391	0.9351	0.0439	0.4420	0.0465	0.4792
49	34.62	0.02	0.0202	5.5555	0.0002	5.5555	0.0386	0.9375	0.0436	0.4495	0.0465	0.4795
50	34.88	0.04	0.0294	5.5555	0.0026	5.5555	0.0372	0.9420	0.0439	0.4505	0.0466	0.4787
51	35.14	0.03	0.0371	5.5555	0.0046	5.5555	0.1193	0.9546	0.0439	0.4550	0.0459	0.4765
52	35.38	0.02	0.0220	5.5555	0.0017	5.5555	0.0741	0.9591	0.0416	0.4568	0.0433	0.4763
53	35.60	0.01	0.0265	5.5555	0.0012	5.5555	0.0466	0.9718	0.0417	0.4616	0.0429	0.4750
54	35.87	0.02	0.0340	5.5555	0.0042	5.5555	0.1239	0.9805	0.0408	0.4673	0.0413	0.4737
55	36.12	0.00	0.0330	5.5555	0.0033	5.5555	0.1303	1.0046	0.0414	0.4737	0.0412	0.4715
56	36.32	0.02	0.0314	5.5555	0.0047	5.5555	0.1391	1.0070	0.0416	0.4744	0.0413	0.4711
57	36.63	0.01	0.0265	5.5555	0.0032	5.5555	0.1074	1.0179	0.0407	0.4756	0.0395	0.4713
58	36.88	0.03	0.0320	5.5555	0.0036	5.5555	0.1094	1.0157	0.0404	0.4751	0.0357	0.4716
59	37.10	0.03	0.0305	5.5555	0.0030	5.5555	0.0974	1.0245	0.0405	0.4815	0.0395	0.4698
60	37.36	0.02	0.0326	5.5555	0.0058	5.5555	0.1774	1.0200	0.0419	0.4814	0.0408	0.4689
61	37.59	0.03	0.0341	5.5555	0.0111	5.5555	0.2315	1.0464	0.0420	0.4866	0.0401	0.4669
62	37.82	0.03	0.0325	5.5555	0.0067	5.5555	0.1872	1.0464	0.0421	0.4866	0.0402	0.4666
63	38.08	0.01	0.0333	5.5555	0.0026	5.5555	0.8512	1.0330	0.0409	0.4853	0.0356	0.4658
64	38.31	0.00	0.0350	5.5555	0.0083	5.5555	0.2326	1.0417	0.0421	0.4872	0.0404	0.4677
65	38.53	0.02	0.0350	5.5555	0.0055	5.5555	0.2495	1.0548	0.0415	0.4921	0.0353	0.4666
66	38.78	0.00	0.0337	5.5555	0.0065	5.5555	0.2530	1.0573	0.0417	0.4964	0.0402	0.4689
67	39.01	0.00	0.0195	5.5555	0.0037	5.5555	0.1904	1.0466	0.0409	0.4905	0.0390	0.4685
68	39.25	0.00	0.0100	5.5555	0.0006	5.5555	0.2574	1.0571	0.0415	0.4915	0.0392	0.4654
69	39.47	0.02	0.0228	5.5555	0.0041	5.5555	0.1520	1.0563	0.0415	0.4920	0.0392	0.4645
70	39.68	0.02	0.0307	5.5555	0.0108	5.5555	0.2522	1.0583	0.0416	0.4927	0.0393	0.4665
71	39.88	0.01	0.0265	5.5555	0.0021	5.5555	0.3060	1.0688	0.0418	0.4970	0.0391	0.4651
72	40.12	0.01	0.0002	5.5555	0.0006	5.5555	0.3071	1.0770	0.0421	0.4961	0.0390	0.4598
73	40.32	0.02	0.0224	5.5555	0.0068	5.5555	0.3045	1.0779	0.0421	0.4961	0.0390	0.4621
74	40.52	0.02	0.0227	5.5555	0.0137	5.5555	0.3195	1.0767	0.0414	0.4965	0.0384	0.4537
75	40.73	0.02	0.0203	5.5555	0.0070	5.5555	0.3459	1.0738	0.0392	0.4919	0.0363	0.4488
76	40.94	0.01	0.0122	5.5555	0.0035	5.5555	0.2464	1.0758	0.0386	0.4755	0.0340	0.4457
77	41.16	0.02	0.0193	5.5555	0.0037	5.5555	0.2596	1.0733	0.0386	0.4755	0.0335	0.4450
78	41.38	0.01	0.0340	5.5555	0.0110	5.5555	0.3169	1.0617	0.0386	0.4715	0.0340	0.4451
79	41.55	0.01	0.0275	5.5555	0.0087	5.5555	0.3174	1.0753	0.0348	0.4746	0.0323	0.4414
80	41.77	0.02	0.0002	5.5555	0.0006	5.5555	0.0071	1.0784	0.0326	0.4723	0.0303	0.4380
81	41.96	0.01	0.0055	5.5555	0.0056	5.5555	0.3285	1.0836	0.0274	0.4656	0.0293	0.4336
82	42.16	0.02	0.0245	5.5555	0.0075	5.5555	0.3071	1.0770	0.0300	0.4704	0.0286	0.4365
83	42.36	0.03	0.0025	5.5555	0.0073	5.5555	0.2861	1.0523	0.0283	0.4652	0.0262	0.4335
84	42.53	0.01	0.0224	5.5555	0.0075	5.5555	0.3036	1.0604	0.0294	0.4654	0.0222	0.4312
85	42.73	0.01	0.0225	5.5555	0.0045	5.5555	0.3655	1.0900	0.0247	0.4656	0.0227	0.4306
86	43.00	0.07	0.0144	5.5555	0.0032	5.5555	0.2229	1.0604	0.0238	0.4651	0.0221	0.4305
87	43.10	0.02	0.0124	5.5555	0.0056	5.5555	0.3053	1.0753	0.0202	0.4616	0.0187	0.4277
88	43.27	0.02	0.0254	5.5555	0.0113	5.5555	0.3650	1.0628	0.0233	0.4644	0.0215	0.4294
89	43.45	0.02	0.0003	5.5555	0.0083	5.5555	0.4102	1.0777	0.0215	0.4613	0.0200	0.4280
90	43.65	0.02	0.0005	5.5555	0.0121	5.5555	0.3906	1.0601	0.0213	0.4651	0.0166	0.4282
91	43.83	0.03	0.0183	5.5555	0.0072	5.5555	0.3947	1.0371	0.0169	0.4376	0.0163	0.4219
92	43.99	0.06	0.0325	5.5555	0.0126	5.5555	0.3650	1.0633	0.0217	0.4638	0.0201	0.4281

PAGE 3 OF 3
SHEET 3 OF 4

PARTIAL MISSILE TAILS EFFECTS DATA

TEST PART DATA				PHI	CNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 1.5 1.0 1.7				0.0	0.0	0.0	0	-20	0	-20	UNKNOWN	
PLANT	ALPHA	BETA	CNF1	CNF2	CNF3	CNF4	YCNF1	YCNF2	CNF4	CNF4	YCNF4	YCNF4
93	44.19	-0.02	0.0244	0.0244	0.0244	0.0244	0.3865	0.3865	0.0244	0.0244	0.0244	0.4304
94	44.36	-0.02	0.0102	0.0102	0.0102	0.0102	0.2951	0.2951	0.0102	0.0102	0.0102	0.4279
95	44.55	-0.04	0.0173	0.0173	0.0173	0.0173	0.3443	0.3443	0.0173	0.0173	0.0173	0.4252
96	44.73	-0.03	0.0153	0.0153	0.0153	0.0153	0.3344	0.3344	0.0153	0.0153	0.0153	0.4258
97	44.93	-0.04	0.0143	0.0143	0.0143	0.0143	0.4158	0.4158	0.0143	0.0143	0.0143	0.4265
98	45.11	-0.04	0.0203	0.0203	0.0203	0.0203	0.4154	0.4154	0.0203	0.0203	0.0203	0.4258
99	45.28	-0.04	0.0234	0.0234	0.0234	0.0234	0.3773	0.3773	0.0234	0.0234	0.0234	0.4241
100	45.46	-0.04	0.0153	0.0153	0.0153	0.0153	0.3737	0.3737	0.0153	0.0153	0.0153	0.4220
101	45.65	-0.03	0.0132	0.0132	0.0132	0.0132	0.3699	0.3699	0.0132	0.0132	0.0132	0.4215
102	45.81	-0.03	0.0214	0.0214	0.0214	0.0214	0.3836	0.3836	0.0214	0.0214	0.0214	0.4203
103	46.00	-0.03	0.0143	0.0143	0.0143	0.0143	0.3576	0.3576	0.0143	0.0143	0.0143	0.4213
104	46.17	-0.02	0.0122	0.0122	0.0122	0.0122	0.3885	0.3885	0.0122	0.0122	0.0122	0.4206
105	46.36	-0.04	0.0214	0.0214	0.0214	0.0214	0.3703	0.3703	0.0214	0.0214	0.0214	0.4211
106	46.55	-0.04	0.0254	0.0254	0.0254	0.0254	0.4147	0.4147	0.0254	0.0254	0.0254	0.4216
107	46.83	-0.02	0.0214	0.0214	0.0214	0.0214	0.3344	0.3344	0.0214	0.0214	0.0214	0.4214
108	47.08	-0.03	0.0254	0.0254	0.0254	0.0254	0.4068	0.4068	0.0254	0.0254	0.0254	0.4216
109	47.24	-0.02	0.0224	0.0224	0.0224	0.0224	0.4031	0.4031	0.0224	0.0224	0.0224	0.4219
110	47.41	-0.04	0.0234	0.0234	0.0234	0.0234	0.4244	0.4244	0.0234	0.0234	0.0234	0.4220
111	47.59	-0.03	0.0235	0.0235	0.0235	0.0235	0.4259	0.4259	0.0235	0.0235	0.0235	0.4223
112	47.77	-0.02	0.0244	0.0244	0.0244	0.0244	0.4440	0.4440	0.0244	0.0244	0.0244	0.4227
113	47.95	-0.02	0.0265	0.0265	0.0265	0.0265	0.4316	0.4316	0.0265	0.0265	0.0265	0.4222
114	47.94	-0.02	0.0325	0.0325	0.0325	0.0325	0.4476	0.4476	0.0325	0.0325	0.0325	0.4223
115	48.06	-0.02	0.0301	0.0301	0.0301	0.0301	0.4454	0.4454	0.0301	0.0301	0.0301	0.4232
116	48.28	-0.02	0.0162	0.0162	0.0162	0.0162	0.4706	0.4706	0.0162	0.0162	0.0162	0.4227
117	48.43	-0.01	0.0235	0.0235	0.0235	0.0235	0.4429	0.4429	0.0235	0.0235	0.0235	0.4224
118	48.61	-0.01	0.0143	0.0143	0.0143	0.0143	0.4134	0.4134	0.0143	0.0143	0.0143	0.4233
119	48.77	-0.01	0.0311	0.0311	0.0311	0.0311	0.4560	0.4560	0.0311	0.0311	0.0311	0.4224
120	48.93	-0.02	0.0163	0.0163	0.0163	0.0163	0.4667	0.4667	0.0163	0.0163	0.0163	0.4229
121	49.12	-0.02	0.0173	0.0173	0.0173	0.0173	0.4291	0.4291	0.0173	0.0173	0.0173	0.4222
122	49.26	-0.01	0.0152	0.0152	0.0152	0.0152	0.4404	0.4404	0.0152	0.0152	0.0152	0.4217
123	49.46	-0.01	0.0174	0.0174	0.0174	0.0174	0.4457	0.4457	0.0174	0.0174	0.0174	0.4219
124	49.64	0.01	0.0225	0.0225	0.0225	0.0225	0.4357	0.4357	0.0225	0.0225	0.0225	0.4221
125	49.81	0.01	0.0143	0.0143	0.0143	0.0143	0.4135	0.4135	0.0143	0.0143	0.0143	0.4215
126	49.96	0.01	0.0142	0.0142	0.0142	0.0142	0.4135	0.4135	0.0142	0.0142	0.0142	0.4228
127	50.13	0.01	0.0154	0.0154	0.0154	0.0154	0.4447	0.4447	0.0154	0.0154	0.0154	0.4233
128	50.31	0.02	0.0143	0.0143	0.0143	0.0143	0.4135	0.4135	0.0143	0.0143	0.0143	0.4229
129	50.50	0.02	0.0216	0.0216	0.0216	0.0216	0.4224	0.4224	0.0216	0.0216	0.0216	0.4225
130	50.67	0.03	0.0316	0.0316	0.0316	0.0316	0.4304	0.4304	0.0316	0.0316	0.0316	0.4241
131	50.84	0.03	0.0267	0.0267	0.0267	0.0267	0.4308	0.4308	0.0267	0.0267	0.0267	0.4237
132	51.17	0.03	0.0247	0.0247	0.0247	0.0247	0.4222	0.4222	0.0247	0.0247	0.0247	0.4233
133	51.18	0.03	0.0236	0.0236	0.0236	0.0236	0.4251	0.4251	0.0236	0.0236	0.0236	0.4256
134	51.34	0.04	0.0145	0.0145	0.0145	0.0145	0.4476	0.4476	0.0145	0.0145	0.0145	0.4245
135	51.52	0.03	0.0345	0.0345	0.0345	0.0345	0.4283	0.4283	0.0345	0.0345	0.0345	0.4258
136	51.70	0.02	0.0235	0.0235	0.0235	0.0235	0.4739	0.4739	0.0235	0.0235	0.0235	0.4246
137	51.88	0.04	0.0163	0.0163	0.0163	0.0163	0.4924	0.4924	0.0163	0.0163	0.0163	0.4246
138	52.01	0.03	0.0471	0.0471	0.0471	0.0471	0.4937	0.4937	0.0471	0.0471	0.0471	0.4237

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH FX10-6			PHI	CNF	C	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 150 1.6 1.7			C.C	010013	C.C	0	-20	0	-20	UNKNOWN		
PCINT	ALPHA	BETA	CNF3	CM3	CM3	ALPF3	YCPF3	CNF4	CM4	CM4	ALPF4	YCPF4
139	52.20	0.04	0.0154	5.5555	0.0058	5.5555	0.5068	0.8622	0.0165	0.3646	0.0192	0.4229
140	52.36	0.04	0.0164	5.5555	0.0064	5.5555	0.4300	0.8527	0.0166	0.3613	0.0195	0.4237
141	52.54	0.04	0.0175	5.5555	0.0109	5.5555	0.4447	0.8555	0.0169	0.3627	0.0197	0.4225
142	52.69	0.04	0.0164	5.5555	0.0072	5.5555	0.4404	0.8498	0.0168	0.3594	0.0198	0.4229
143	52.84	0.04	0.0307	5.5555	0.0166	5.5555	0.4730	0.8465	0.0171	0.3585	0.0202	0.4225
144	53.02	0.03	0.0205	5.5555	0.0101	5.5555	0.4743	0.8479	0.0171	0.3565	0.0202	0.4228
145	53.18	0.04	0.0288	5.5555	0.0125	5.5555	0.4755	0.8632	0.0161	0.3641	0.0187	0.4218
146	53.34	0.03	0.0165	5.5555	0.0064	5.5555	0.4626	0.8498	0.0159	0.3596	0.0187	0.4231
147	53.51	0.03	0.0226	5.5555	0.0114	5.5555	0.5060	0.8610	0.0163	0.3632	0.0190	0.4218
148	53.68	0.03	0.0374	5.5555	0.0167	5.5555	0.4777	0.8606	0.0163	0.3635	0.0190	0.4224
149	53.84	0.02	0.0372	5.5555	0.0178	5.5555	0.4773	0.8735	0.0154	0.3666	0.0177	0.4222
150	53.96	0.02	0.0382	5.5555	0.0187	5.5555	0.4865	0.8671	0.0153	0.3664	0.0177	0.4224
151	54.14	0.01	0.0227	5.5555	0.0120	5.5555	0.5355	0.8732	0.0150	0.3676	0.0172	0.4216
152	54.29	0.01	0.0342	5.5555	0.0157	5.5555	0.4970	0.8593	0.0157	0.3620	0.0183	0.4213
153	54.44	0.01	0.0160	5.5555	0.0093	5.5555	0.5310	0.8674	0.0152	0.3656	0.0175	0.4215
154	54.60	0.00	0.0250	5.5555	0.0110	5.5555	0.4914	0.8770	0.0151	0.3694	0.0172	0.4208
155	54.74	0.00	0.0374	5.5555	0.0176	5.5555	0.4654	0.8663	0.0145	0.3719	0.0164	0.4196
156	54.90	0.00	0.0292	5.5555	0.0130	5.5555	0.4932	0.8648	0.0145	0.3739	0.0164	0.4226
157	55.06	0.02	0.0240	5.5555	0.0113	5.5555	0.4723	0.8764	0.0144	0.3706	0.0164	0.4216
158	55.21	0.03	0.0206	5.5555	0.0100	5.5555	0.4623	0.8695	0.0138	0.3753	0.0155	0.4220
159	55.37	0.02	0.0160	5.5555	0.0037	5.5555	0.5258	0.8628	0.0143	0.3727	0.0162	0.4222
160	55.53	0.02	0.0261	5.5555	0.0120	5.5555	0.4612	0.8617	0.0140	0.3730	0.0155	0.4231
161	55.68	0.02	0.0250	5.5555	0.0116	5.5555	0.4775	0.8630	0.0137	0.3730	0.0155	0.4225
162	55.84	0.03	0.0375	5.5555	0.0191	5.5555	0.5065	0.8941	0.0132	0.3704	0.0148	0.4233
163	56.01	0.01	0.0293	5.5555	0.0126	5.5555	0.4946	0.8989	0.0122	0.3641	0.0134	0.4226
164	56.17	0.03	0.0205	5.5555	0.0058	5.5555	0.4704	0.8961	0.0114	0.3660	0.0125	0.4235
165	56.32	0.02	0.0367	5.5555	0.0171	5.5555	0.4647	0.8905	0.0116	0.3651	0.0126	0.4227
166	56.49	0.02	0.0254	5.5555	0.0137	5.5555	0.4641	0.8910	0.0116	0.3677	0.0125	0.4221
167	56.65	0.04	0.0284	5.5555	0.0134	5.5555	0.4698	0.8938	0.0115	0.3628	0.0124	0.4220
168	56.79	0.04	0.0264	5.5555	0.0105	5.5555	0.4192	0.8910	0.0108	0.3636	0.0116	0.4228
169	56.93	0.04	0.0245	5.5555	0.0103	5.5555	0.4252	0.8923	0.0112	0.3608	0.0121	0.4232
170	57.11	0.06	0.0275	5.5555	0.0115	5.5555	0.4341	0.8917	0.0118	0.3670	0.0130	0.4245
171	57.23	0.04	0.0201	5.5555	0.0064	5.5555	0.4192	0.8930	0.0108	0.3664	0.0112	0.4199
172	57.40	0.04	0.0307	5.5555	0.0130	5.5555	0.4215	0.8932	0.0105	0.3658	0.0105	0.4213
173	57.55	0.01	0.0265	5.5555	0.0110	5.5555	0.4166	0.89178	0.0111	0.3692	0.0121	0.4246
174	57.68	0.01	0.0212	5.5555	0.0053	5.5555	0.4401	0.8907	0.0109	0.3665	0.0116	0.4215
175	57.83	0.06	0.0297	5.5555	0.0127	5.5555	0.4256	0.8951	0.0117	0.3615	0.0123	0.4204
176	57.99	0.05	0.0314	5.5555	0.0137	5.5555	0.4277	0.8949	0.0118	0.3623	0.0123	0.4192
177	58.12	0.04	0.0258	5.5555	0.0121	5.5555	0.4373	0.8957	0.0116	0.3622	0.0121	0.4192
178	58.27	0.07	0.0207	5.5555	0.0055	5.5555	0.3720	0.8960	0.0116	0.3673	0.0123	0.4200
179	58.37	0.04	0.0320	5.5555	0.0140	5.5555	0.4358	0.8966	0.0114	0.3654	0.0118	0.4194
180	58.57	0.05	0.0218	5.5555	0.0120	5.5555	0.4350	0.8965	0.0116	0.3676	0.0125	0.4201
181	57.90	0.11	0.0171	5.5555	0.0065	5.5555	0.4046	0.9223	0.0130	0.3993	0.0141	0.4221

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PH1	CONF	L	OEL1	DFL2	DEL3	DEL4	TRANSITION	
7	156	0.80	1.7	0.0	81WOF31	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CM	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
1	-0.10	-0.02	-1.9963	7.4143	-0.0769	0.0645	0.0022	0.8157	0.1348	0.6510	-3.7139
2	-0.08	0.00	-2.0004	7.4291	0.0226	-0.0671	0.0025	0.8166	0.1360	0.6807	-3.7137
3	-0.09	-0.00	-2.0109	7.4442	-0.0047	0.0099	0.0023	0.8192	0.1376	0.6817	-3.7019
4	-0.09	-0.01	-2.0267	7.4388	-0.0648	0.0150	0.0027	0.8173	0.1362	0.6812	-3.6705
5	-0.08	-0.00	-1.9828	7.3870	-0.0208	-0.0004	0.0024	0.8150	0.1357	0.6794	-3.7255
6	-0.06	-0.00	-1.8641	7.0302	-0.0524	-0.0089	0.0024	0.8031	0.1343	0.6688	-3.7714
7	1.67	-0.00	-1.5145	6.1237	-0.0216	-0.0131	0.0028	0.7193	0.1339	0.5854	-4.0434
8	3.45	-0.00	-1.1067	5.1986	-0.0516	0.0018	0.0034	0.6467	0.1337	0.5131	-4.6975
9	5.26	0.00	-0.7260	4.3211	-0.0195	-0.0038	0.0040	0.5680	0.1360	0.4320	-5.9521
10	7.07	-0.00	-0.3728	3.5185	-0.0390	-0.0022	0.0046	0.4971	0.1389	0.3582	-9.4381
11	8.99	-0.00	0.0064	2.6793	-0.0387	-0.0370	0.0052	0.4267	0.1408	0.2859	-18.4282
12	10.75	-0.00	0.3766	1.9535	-0.0358	-0.0152	0.0059	0.3710	0.1426	0.2284	5.1871
13	12.61	-0.01	0.6960	1.4313	-0.0787	0.0635	0.0066	0.3206	0.1466	0.1740	2.0566
14	14.42	0.00	0.9949	1.1295	-0.0648	0.0379	0.0004	0.2898	0.1562	0.1336	1.1353
15	16.26	-0.01	1.2705	0.9558	-0.1189	0.1920	0.0084	0.2702	0.1694	0.1009	0.7523
16	18.10	-0.01	1.5827	0.8487	-0.1309	0.2684	0.0031	0.2346	0.1793	0.0553	0.4099
17	19.95	-0.02	1.9830	0.1695	-0.2952	0.6958	0.0308	0.1827	0.1929	-0.0102	0.0855
18	21.88	-0.03	2.3568	-0.4177	-0.5574	1.3176	0.0881	0.1250	0.2065	-0.0815	-0.1772
19	23.79	-0.05	2.8001	-1.0913	-0.8375	2.0167	0.1017	0.0649	0.2226	-0.1577	-0.3897
20	25.69	-0.04	3.2566	-1.6802	-0.6734	1.7796	0.0452	-0.0165	0.2268	-0.2433	-0.5159
21	27.61	0.03	3.7804	-2.0380	0.5600	-1.3320	0.0841	-0.1069	0.2272	-0.3341	-0.5391
22	29.53	0.06	4.3077	-2.5990	0.9182	-1.8102	0.1232	-0.1878	0.2315	-0.4193	-0.6033
23	31.42	0.04	4.8654	-3.2301	0.4763	-0.0019	0.0845	-0.2567	0.2542	-0.5110	-0.6639
24	33.37	0.07	5.6743	-3.3112	0.9848	-1.0014	0.1054	-0.3489	0.2562	-0.6051	-0.5836
25	35.65	0.04	5.6030	-3.3426	0.9811	-0.8295	0.1046	-0.3486	0.2610	-0.6096	-0.5968
26	33.65	0.07	5.6991	-3.5425	1.0084	-0.6315	0.1114	-0.3515	0.2648	-0.6163	-0.6216
27	33.96	0.08	5.8036	-3.7273	1.0206	-0.4706	0.1261	-0.3591	0.2750	-0.6341	-0.6422
28	34.18	0.08	5.8819	-3.6962	1.0917	-0.6162	0.1195	-0.3722	0.2745	-0.6467	-0.6284
29	34.41	0.08	6.0212	-3.9288	1.1438	-0.5591	0.1345	-0.3751	0.2827	-0.6578	-0.6525
30	34.67	0.10	6.1681	-4.0588	1.4027	-0.7745	0.1355	-0.3903	0.2908	-0.6809	-0.6580
31	34.91	0.10	6.1808	-4.0296	1.3076	-0.7913	0.1359	-0.3923	0.2920	-0.6843	-0.6520
32	35.14	0.10	6.3425	-3.9542	1.4677	-1.3660	0.1386	-0.4051	0.2934	-0.6985	-0.6235
33	35.38	0.09	6.3506	-3.7604	1.4604	-2.0719	0.1251	-0.4220	0.2808	-0.7029	-0.5921
34	35.62	0.09	6.4277	-3.7467	1.5409	-2.8860	0.1118	-0.4318	0.2794	-0.7113	-0.5829
35	35.85	0.08	6.5140	-3.8279	1.5196	-3.2452	0.0976	-0.4382	0.2795	-0.7178	-0.5876
36	36.09	0.09	6.6982	-4.1691	1.5334	-2.9953	0.0976	-0.4661	0.2886	-0.7547	-0.6224
37	36.32	0.08	6.8922	-4.3355	1.4112	-2.2841	0.0972	-0.4749	0.3006	-0.7755	-0.6290
38	36.55	0.09	6.8931	-4.2626	1.5029	-2.5516	0.0977	-0.4845	0.2958	-0.7802	-0.6184
39	36.81	0.09	6.9824	-4.3319	1.4653	-2.5784	0.0904	-0.4952	0.2952	-0.7903	-0.6204
40	37.03	0.07	7.1228	-4.3493	1.3201	-1.9764	0.0975	-0.5093	0.3015	-0.8107	-0.6106
41	37.26	0.09	7.3111	-4.6394	1.3684	-1.0992	0.1111	-0.5038	0.3139	-0.8176	-0.6346
42	37.51	0.08	7.3831	-4.6930	1.2335	-0.9726	0.1111	-0.5113	0.3202	-0.8314	-0.6356
43	37.74	0.09	7.6329	-5.1096	1.1910	0.1107	0.1146	-0.5204	0.3353	-0.8556	-0.6694
44	37.98	0.08	7.8105	-5.3590	0.9808	1.2327	0.1185	-0.5131	0.3439	-0.8569	-0.6861
45	38.22	0.08	7.9290	-5.4493	1.0743	0.9066	0.1347	-0.5319	0.3478	-0.8797	-0.6873
46	38.44	0.08	8.0979	-5.5646	0.9252	1.6808	0.1325	-0.5333	0.3487	-0.8820	-0.6872

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	156	0.80	1.7	0.0	B1WOF31	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	KCP
47	39.65	0.08	8.2776	-5.7405	0.9856	1.6365	0.1553	-0.5366	0.3544	-0.8910	-0.6935
48	38.90	0.08	8.3661	-5.8086	0.9142	2.0873	0.1392	-0.5310	0.3630	-0.8940	-0.6943
49	39.11	0.09	8.4925	-5.7420	0.9473	2.4425	0.0570	-0.5054	0.3721	-0.8775	-0.6761
50	39.31	0.08	8.6316	-5.7774	0.8246	2.8092	0.0416	-0.4872	0.3826	-0.8698	-0.6693
51	39.53	0.09	8.7614	-5.9297	0.8950	2.6510	0.0351	-0.4923	0.3913	-0.8836	-0.6768
52	39.73	0.08	8.7801	-5.9666	0.7744	2.4529	0.0729	-0.5295	0.3847	-0.9142	-0.6791
53	39.93	0.08	8.8127	-5.7522	0.9415	1.7279	0.1127	-0.5546	0.3833	-0.9379	-0.6527
54	40.13	0.08	8.8391	-5.7553	0.9434	1.8004	0.1051	-0.5449	0.3802	-0.9251	-0.6511
55	40.33	0.09	8.8427	-5.6489	1.0712	1.2317	0.1439	-0.5682	0.3659	-0.9341	-0.6388
56	40.55	0.08	8.9084	-5.5545	1.0587	0.9798	0.1600	-0.5765	0.3688	-0.9453	-0.6235
57	40.75	0.10	9.1263	-5.8679	1.1822	1.2723	0.1446	-0.5459	0.3888	-0.9347	-0.6430
58	40.96	0.10	9.2489	-5.8569	1.2315	1.3669	0.1223	-0.5494	0.3909	-0.9403	-0.6333
59	41.17	0.09	9.2518	-5.7126	1.1446	1.5026	0.0854	-0.5237	0.4056	-0.9293	-0.6175
60	41.36	0.09	9.3688	-5.8389	1.1708	1.7146	0.0775	-0.5187	0.4133	-0.9320	-0.6232
61	41.56	0.09	9.4706	-5.8847	1.1536	1.7245	0.0924	-0.5276	0.4105	-0.9341	-0.6214
62	41.76	0.08	9.5586	-5.9143	1.0632	1.7841	0.0708	-0.5111	0.4228	-0.9339	-0.6187
63	41.96	0.09	9.6605	-5.8945	1.1687	1.7581	0.0783	-0.5256	0.4163	-0.9419	-0.6098
64	42.14	0.07	9.6292	-5.3978	0.9791	1.0538	0.1110	-0.6006	0.4059	-1.0065	-0.5806
65	42.30	0.05	9.4753	-4.9206	0.7543	0.2987	0.1433	-0.6650	0.3470	-1.0120	-0.5193
66	42.50	0.10	9.8968	-6.0172	1.2150	1.8023	0.0350	-0.4991	0.4382	-0.9373	-0.6088
67	42.68	0.10	9.9457	-5.9659	1.2293	1.7753	0.0499	-0.5102	0.4382	-0.9484	-0.5998
68	42.87	0.10	10.1279	-6.0349	1.2583	1.7358	0.0361	-0.5046	0.4421	-0.9467	-0.5959
69	43.05	0.10	10.0788	-5.9268	1.1507	1.7922	0.0360	-0.5037	0.4478	-0.9515	-0.5880
70	43.23	0.10	10.2754	-6.0444	1.3167	1.7147	0.0367	-0.4985	0.4492	-0.9477	-0.5882
71	43.41	0.10	10.2864	-6.0502	1.2258	1.7478	0.0367	-0.5263	0.4425	-0.9638	-0.5882
72	43.59	0.10	10.3562	-6.0712	1.1804	1.8114	0.0296	-0.5065	0.4465	-0.9510	-0.5862
73	43.75	0.10	10.3556	-6.0341	1.1811	1.8236	0.0368	-0.5194	0.4483	-0.9677	-0.5827
74	43.96	0.10	10.4670	-5.9597	1.3037	1.5005	0.0385	-0.4938	0.4512	-0.9450	-0.5694
75	44.13	0.10	10.5658	-6.1257	1.3161	1.7494	0.0523	-0.4830	0.4625	-0.9455	-0.5798
76	44.31	0.10	10.5254	-6.1231	1.3054	1.5259	0.0021	-0.4981	0.4497	-0.9478	-0.5818
77	44.50	0.10	10.6273	-6.2008	1.4232	1.4155	-0.0046	-0.4948	0.4578	-0.9526	-0.5835
78	44.67	0.11	10.6758	-6.1118	1.6205	1.0359	-0.0251	-0.4912	0.4578	-0.9490	-0.5725
79	44.85	0.10	10.7334	-6.1747	1.4309	1.5647	-0.0121	-0.5076	0.4559	-0.9635	-0.5753
80	45.03	0.10	10.8310	-6.3198	1.4116	1.4913	0.0030	-0.5187	0.4596	-0.9733	-0.5835
81	45.22	0.10	10.8796	-6.2501	1.4592	1.5120	-0.0042	-0.5244	0.4605	-0.9849	-0.5745
82	45.39	0.10	10.9482	-6.3550	1.4065	1.6918	-0.0119	-0.5244	0.4610	-0.9854	-0.5803
83	45.55	0.10	10.9833	-6.2572	1.4507	1.3503	0.0187	-0.5289	0.4586	-0.9875	-0.5697
84	45.74	0.11	11.1765	-6.4069	1.5075	1.2576	0.0342	-0.5363	0.4639	-1.0002	-0.5732
85	45.91	0.11	11.1772	-6.3347	1.5567	1.3295	0.0121	-0.5234	0.4652	-0.9886	-0.5668
86	46.08	0.10	11.2334	-6.3761	1.4925	1.2592	0.0199	-0.5452	0.4624	-1.0076	-0.5676
87	46.26	0.11	11.3510	-6.4476	1.6202	1.0356	0.0064	-0.5415	0.4700	-1.0115	-0.5688
88	46.42	0.10	11.2896	-6.3628	1.4724	1.1874	0.0205	-0.5334	0.4672	-1.0006	-0.5636
89	46.59	0.09	11.4310	-6.5973	1.3619	1.7330	0.0189	-0.5388	0.4705	-1.0093	-0.5771
90	46.77	0.08	11.4328	-6.4893	1.2137	1.8466	0.0043	-0.5550	0.4671	-1.0221	-0.5676
91	46.94	0.09	11.5199	-6.5556	1.2747	1.8287	-0.0027	-0.5512	0.4737	-1.0249	-0.5691
92	47.11	0.08	11.6144	-6.6592	1.1563	2.1935	0.0035	-0.5835	0.4719	-1.0534	-0.5734

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	156	0.80	1.7	0.0	81WDF31	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	XCP
93	47.28	0.07	11.6063	-6.2619	1.0392	1.7149	0.0716	-0.5837	0.4657	-1.0494	-0.5395
94	47.45	0.05	11.6423	-6.3578	0.8060	2.3002	0.0332	-0.6389	0.4539	-1.0929	-0.5461
95	47.63	0.07	11.6499	-5.9740	1.0478	1.9035	0.0567	-0.5958	0.4638	-1.0597	-0.5128
96	47.80	0.06	11.7153	-6.1109	0.9773	2.0220	0.0429	-0.5935	0.4629	-1.0564	-0.5216
97	47.97	0.05	11.7477	-6.0271	0.8493	2.2342	0.0196	-0.6318	0.4545	-1.0864	-0.5130
98	48.12	0.00	11.6612	-5.7765	0.2591	2.4759	0.0124	-0.6798	0.4238	-1.1036	-0.4956
99	48.29	-0.01	11.5709	-5.5332	0.1288	2.6456	0.0046	-0.7038	0.4056	-1.1094	-0.4782
100	48.46	-0.02	11.5060	-5.2312	-0.0378	2.3984	0.0204	-0.7394	0.3815	-1.1209	-0.4547
101	48.62	-0.04	11.5754	-5.2010	-0.3273	3.3438	-0.0696	-0.7545	0.3794	-1.1339	-0.4493
102	48.79	-0.03	11.6285	-5.2935	-0.2223	3.5841	-0.1142	-0.7217	0.3939	-1.1156	-0.4552
103	48.97	-0.04	11.6642	-5.1783	-0.1904	3.0072	-0.0537	-0.7610	0.3737	-1.1347	-0.4440
104	49.16	-0.05	11.7681	-5.2964	-0.3886	3.6057	-0.1568	-0.7583	0.3857	-1.1440	-0.4501
105	49.34	-0.02	11.9643	-5.4339	-0.0890	3.4663	-0.1270	-0.6973	0.4138	-1.1111	-0.4542
106	49.49	-0.01	12.0312	-5.5920	-0.0666	3.6130	-0.1057	-0.6967	0.4355	-1.1322	-0.4648
107	49.69	-0.01	12.1509	-5.7633	-0.0628	3.6949	-0.1205	-0.6891	0.4330	-1.1221	-0.4743
108	49.87	-0.03	12.3080	-5.6876	-0.2124	3.7718	-0.1561	-0.6882	0.4330	-1.1212	-0.4621
109	50.03	-0.02	12.4161	-5.9114	-0.1612	3.8669	-0.1709	-0.6936	0.4430	-1.1366	-0.4761
110	50.19	-0.02	12.3302	-5.9293	-0.1271	3.6269	-0.1704	-0.6894	0.4434	-1.1328	-0.4809
111	50.37	0.03	12.5413	-6.3232	0.6209	2.6145	-0.0075	-0.6407	0.4656	-1.1064	-0.5042
112	50.53	-0.00	12.4976	-6.2205	0.1073	3.1058	-0.1109	-0.6855	0.4419	-1.1274	-0.4977
113	50.69	0.02	12.7298	-6.5423	0.4545	2.9662	-0.0081	-0.6379	0.4735	-1.1115	-0.5139
114	50.86	0.01	12.8169	-6.5891	0.3570	2.8749	-0.0073	-0.6481	0.4797	-1.1279	-0.5141
115	51.04	0.04	12.8892	-6.6633	0.6527	2.8931	-0.0223	-0.6356	0.4926	-1.1282	-0.5170
116	51.20	0.03	12.9611	-6.8340	0.4850	3.2334	-0.0599	-0.6419	0.5105	-1.1524	-0.5273
117	51.37	0.06	13.1449	-6.9020	0.9289	3.0860	-0.0377	-0.6189	0.5287	-1.1476	-0.5251
118	51.55	0.05	13.2436	-7.0108	0.7484	3.2035	-0.0522	-0.6369	0.5277	-1.1646	-0.5294
119	51.72	0.07	13.4085	-7.1771	1.0216	3.3795	-0.0455	-0.6238	0.5449	-1.1687	-0.5353
120	51.89	0.07	13.3641	-7.0318	0.9354	3.2113	-0.0447	-0.6228	0.5435	-1.1663	-0.5262
121	52.05	0.07	13.4516	-7.1171	1.0418	3.1636	-0.0372	-0.6352	0.5482	-1.1834	-0.5291
122	52.22	0.09	13.6688	-7.4102	1.1546	3.5311	-0.0823	-0.6522	0.5511	-1.2033	-0.5421
123	52.41	0.10	13.8119	-7.5670	1.2576	3.6680	-0.1051	-0.6649	0.5508	-1.2157	-0.5479
124	52.57	0.10	13.9421	-7.7202	1.1309	3.9316	-0.1129	-0.6902	0.5513	-1.2414	-0.5537
125	52.73	0.11	13.9841	-7.7703	1.3159	3.8894	-0.1130	-0.7012	0.5513	-1.2525	-0.5557
126	52.91	0.10	14.1718	-7.6795	1.3702	3.7329	-0.1471	-0.6892	0.5494	-1.2395	-0.5419
127	53.09	0.11	14.2830	-7.8717	1.4349	3.7775	-0.1545	-0.6985	0.5536	-1.2521	-0.5511
128	53.25	0.10	14.3313	-7.7803	1.4307	3.3873	-0.1527	-0.6895	0.5494	-1.2395	-0.5420
129	53.41	0.11	14.4112	-7.7724	1.5061	3.5149	-0.1310	-0.6962	0.5503	-1.2464	-0.5393
130	53.55	0.10	14.3298	-7.6862	1.3657	3.3428	-0.1375	-0.6701	0.5464	-1.2165	-0.5364
131	53.78	0.09	14.5800	-7.9509	1.2769	3.4389	-0.1223	-0.6887	0.5517	-1.2403	-0.5453
132	53.93	0.09	14.5939	-7.8823	1.3415	3.4398	-0.1226	-0.6853	0.5527	-1.2379	-0.5401
133	54.11	0.07	14.6196	-7.8576	1.0576	3.6751	-0.1009	-0.6607	0.5548	-1.2155	-0.5375
134	54.26	0.07	14.5683	-7.8519	1.0834	3.5711	-0.0785	-0.6766	0.5524	-1.2299	-0.5390
135	54.43	0.08	14.6353	-7.9499	1.1964	3.3012	-0.0555	-0.6694	0.5645	-1.2339	-0.5432
136	54.60	0.09	14.7355	-7.8663	1.3409	3.3640	-0.0556	-0.6686	0.5645	-1.2331	-0.5338
137	54.78	0.09	15.1397	-8.2707	1.2910	3.5351	-0.0404	-0.6645	0.5917	-1.2563	-0.5466
138	54.93	0.09	15.2563	-8.1866	1.3366	3.5055	-0.0324	-0.6696	0.6057	-1.2554	-0.5365

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	156	0.80 1.7	0.0	81WOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	XCP
139	55.08	0.08	15.2914	-8.2789	1.2159	3.3751	-0.0614	-0.6597	0.6091	-1.2639	-0.5414
140	55.23	0.09	15.3172	-8.1197	1.3517	3.5297	-0.0470	-0.6415	0.6163	-1.2579	-0.5301
141	55.41	0.07	15.4358	-8.1906	1.0931	3.6683	-0.0467	-0.6515	0.6230	-1.2746	-0.5306
142	55.58	0.09	15.5088	-8.2647	1.2746	3.5243	-0.0388	-0.6414	0.6364	-1.2779	-0.5329
143	55.75	0.08	15.5247	-8.5629	1.1559	3.6624	-0.0456	-0.6740	0.6336	-1.3076	-0.5411
144	55.99	0.07	15.6470	-8.4818	1.0964	3.4574	-0.0451	-0.6675	0.6276	-1.2952	-0.5421
145	56.05	0.08	15.6252	-8.2843	1.1807	3.4874	-0.0305	-0.6644	0.6410	-1.3055	-0.5302
146	56.22	0.07	15.7611	-8.3499	1.1542	3.4378	-0.0368	-0.6435	0.6328	-1.2764	-0.5298
147	56.36	0.07	15.8227	-8.5561	1.1414	3.1856	-0.0284	-0.6665	0.6438	-1.3104	-0.5407
148	56.53	0.06	15.8681	-8.5425	1.0629	3.2119	-0.0281	-0.6958	0.6392	-1.3350	-0.5383
149	56.67	0.06	15.7555	-8.2364	1.0589	2.9076	0.0026	-0.6666	0.6330	-1.2497	-0.5228
150	56.83	0.04	15.7663	-8.4521	0.9168	2.9234	-0.0118	-0.6703	0.6403	-1.3107	-0.5361
151	56.95	0.02	15.4817	-8.0648	0.7077	2.7675	-0.0261	-0.6662	0.6295	-1.2958	-0.5209
152	57.10	0.04	15.5617	-8.0579	0.9033	2.6610	0.0181	-0.6540	0.6418	-1.2959	-0.5178
153	57.26	0.05	15.7515	-8.5064	0.9334	2.9468	-0.0047	-0.6794	0.6450	-1.3244	-0.5400
154	57.39	0.04	15.6057	-8.2112	0.9266	2.5088	0.0041	-0.6680	0.6489	-1.3170	-0.5262
155	57.55	0.03	15.7870	-8.5271	0.7809	2.3834	0.0199	-0.6701	0.6423	-1.3125	-0.5401
156	57.70	0.04	15.8136	-8.5207	0.9229	2.4011	-0.0097	-0.6817	0.6586	-1.3403	-0.5388
157	57.85	0.02	15.9150	-8.4303	0.7850	2.4387	-0.0022	-0.6817	0.6520	-1.3337	-0.5331
158	57.97	0.03	15.7372	-8.3605	0.8718	2.6511	0.0040	-0.6901	0.6421	-1.3322	-0.5313

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 156 0.80 1.7				0.0	BIWOF31	0.0	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CHI	CB1	KCPF1	YCPF1	CNF2	CH2	CB2	KCPF2	YCPF2	
1	-0.10	-0.02	0.0018	0.0011	0.0031	0.6111	1.7222	-0.6422	-0.0226	-0.3020	0.0353	0.4703	
2	-0.08	0.00	0.0032	0.0011	0.0040	0.3437	1.2500	-0.6436	-0.0223	-0.3026	0.0347	0.4702	
3	-0.09	-0.00	0.0026	0.0007	0.0031	0.2692	1.1923	-0.6424	-0.0223	-0.3024	0.0348	0.4708	
4	-0.09	-0.01	0.0032	0.0010	0.0039	0.3125	1.2187	-0.6407	-0.0225	-0.3006	0.0352	0.4692	
5	-0.08	-0.00	0.0026	0.0010	0.0032	0.3846	1.2308	-0.6389	-0.0227	-0.3011	0.0356	0.4713	
6	-0.08	-0.00	0.0018	0.0008	0.0031	0.4444	1.7222	-0.6468	-0.0218	-0.2967	0.0366	0.4770	
7	1.67	-0.00	0.0026	0.0007	0.0028	0.2632	1.0769	-0.5006	-0.0210	-0.2451	0.0420	0.4896	
8	3.45	-0.00	0.0027	0.0005	0.0028	0.1852	1.0370	-0.4186	-0.0166	-0.2032	0.0397	0.4853	
9	5.26	0.00	0.0025	0.0006	0.0038	0.2400	1.5200	-0.3287	-0.0118	-0.1586	0.0360	0.4826	
10	7.07	-0.00	-0.0007	0.0007	0.0051	-1.0700	-7.2857	-0.2528	-0.0084	-0.1210	0.0333	0.4788	
11	8.99	-0.00	0.0007	0.0008	0.0059	1.1429	8.4286	-0.1799	-0.0062	-0.0862	0.0345	0.4791	
12	10.75	-0.00	0.0027	0.0009	0.0082	0.3333	3.0370	-0.1028	-0.0038	-0.0507	0.0370	0.4932	
13	12.61	-0.01	-0.0011	0.0007	0.0077	-0.6364	-7.0000	-0.0487	-0.0010	-0.0253	0.0206	0.5391	
14	14.42	0.00	-0.0013	0.0005	0.0099	-0.3846	-7.6154	-0.0111	0.0044	-0.0099	-0.3964	0.8919	
15	16.26	-0.01	-0.0080	-0.0006	0.0089	0.0750	-1.1125	0.0103	0.0128	-0.0021	1.2427	-0.2039	
16	18.10	-0.01	-0.0084	-0.0005	0.0122	0.0595	-1.4524	0.0425	0.0194	0.0097	0.4575	0.2288	
17	19.95	-0.02	-0.0134	-0.0019	0.0170	0.1418	-1.2687	0.0817	0.0252	0.0280	0.3080	0.3423	
18	21.88	-0.03	-0.0177	-0.0071	0.0341	0.4011	-1.9209	0.0997	0.0307	0.0345	0.3075	0.3457	
19	23.79	-0.05	-0.0490	-0.0080	0.0225	0.1636	-0.4601	0.1464	0.0365	0.0506	0.2491	0.3887	
20	25.69	-0.04	-0.0703	-0.0027	-0.0029	0.0385	0.0413	0.2248	0.0413	0.0930	0.1837	0.4137	
21	27.61	0.01	0.1408	0.0071	0.0850	0.0505	0.6036	0.3539	0.0458	0.1485	0.1294	0.4196	
22	29.53	0.06	0.2274	0.0185	0.1180	0.0615	0.5192	0.4353	0.0495	0.1871	0.1137	0.4298	
23	31.42	0.04	0.0717	0.0250	0.0463	0.3478	0.6453	0.4582	0.0531	0.1968	0.1159	0.4295	
24	33.37	0.07	0.1437	0.0268	0.0760	0.1862	0.5286	0.5312	0.0557	0.2272	0.1049	0.4277	
25	33.65	0.04	0.1273	0.0286	0.0659	0.2244	0.5181	0.5262	0.0555	0.2251	0.1055	0.4277	
26	33.65	0.07	0.1547	0.0373	0.0758	0.2409	0.4896	0.5415	0.0561	0.2329	0.1036	0.4301	
27	33.98	0.08	0.1404	0.0423	0.0686	0.3012	0.4889	0.5401	0.0569	0.2316	0.1054	0.4288	
28	34.18	0.08	0.1388	0.0430	0.0670	0.3097	0.4830	0.5468	0.0576	0.2349	0.1054	0.4295	
29	34.41	0.08	0.1519	0.0465	0.0742	0.3061	0.4881	0.5590	0.0579	0.2388	0.1036	0.4271	
30	34.67	0.10	0.1815	0.0507	0.0837	0.2794	0.4611	0.5765	0.0585	0.2469	0.1015	0.4283	
31	34.91	0.10	0.1868	0.0543	0.0869	0.2908	0.4651	0.5859	0.0587	0.2511	0.1002	0.4286	
32	35.14	0.10	0.2117	0.0503	0.0973	0.2376	0.4595	0.6059	0.0582	0.2603	0.0961	0.4296	
33	35.38	0.09	0.2514	0.0343	0.1153	0.1363	0.4587	0.6355	0.0574	0.2735	0.0904	0.4303	
34	35.62	0.09	0.2492	0.0313	0.1176	0.1255	0.4721	0.6518	0.0576	0.2794	0.0884	0.4286	
35	35.85	0.08	0.2671	0.0245	0.1294	0.0915	0.4842	0.6716	0.0568	0.2879	0.0846	0.4287	
36	36.09	0.09	0.2585	0.0290	0.1238	0.1120	0.4787	0.6890	0.0574	0.2959	0.0833	0.4295	
37	36.32	0.08	0.2049	0.0378	0.0992	0.1844	0.4841	0.6757	0.0590	0.2884	0.0873	0.4268	
38	36.55	0.09	0.2369	0.0366	0.1131	0.1544	0.4776	0.6905	0.0584	0.2951	0.0846	0.4274	
39	36.81	0.09	0.2106	0.0342	0.0997	0.1622	0.4734	0.6891	0.0587	0.2943	0.0852	0.4271	
40	37.03	0.07	0.1834	0.0357	0.0867	0.1945	0.4727	0.6889	0.0594	0.2943	0.0863	0.4272	
41	37.26	0.09	0.1343	0.0442	0.0662	0.3291	0.4933	0.6757	0.0612	0.2845	0.0906	0.4210	
42	37.51	0.08	0.1210	0.0459	0.0613	0.3791	0.5066	0.6799	0.0614	0.2876	0.0903	0.4230	
43	37.74	0.09	0.0799	0.0470	0.0440	0.5885	0.5508	0.6695	0.0631	0.2823	0.0943	0.4216	
44	37.98	0.08	0.0241	0.0407	0.0225	1.6846	0.9336	0.6537	0.0642	0.2743	0.0983	0.4195	
45	38.22	0.08	0.0330	0.0399	0.0294	1.2097	0.8906	0.6553	0.0647	0.2745	0.0988	0.4188	
46	38.44	0.08	0.0191	0.0352	0.0256	1.8377	1.3351	0.6517	0.0653	0.2732	0.1002	0.4191	

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CDF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 156 0.80 1.7			0.0	81WOF31	0.0	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	38.65	0.08	0.0221	0.0304	0.0347	1.3710	1.5656	0.6465	0.0659	0.2694	0.1020	0.4166
48	38.90	0.08	-0.0018	0.0271	0.0272	-15.0000	-15.0556	0.6463	0.0668	0.2677	0.1034	0.4143
49	39.11	0.09	-0.0271	0.0259	0.0150	-0.9556	-0.5556	0.6454	0.0669	0.2669	0.1037	0.4136
50	39.31	0.08	-0.0429	0.0242	0.0106	-0.5654	-0.2477	0.6490	0.0663	0.2696	0.1022	0.4153
51	39.53	0.09	-0.0475	0.0261	0.0072	-0.5435	-0.1519	0.6601	0.0670	0.2727	0.1016	0.4131
52	39.73	0.08	-0.0422	0.0255	0.0099	-0.6033	-0.2352	0.6621	0.0673	0.2735	0.1017	0.4130
53	39.93	0.08	0.0462	0.0371	0.0343	0.8026	0.7419	0.6835	0.0673	0.2846	0.0985	0.4164
54	40.13	0.08	0.0442	0.0329	0.0212	7.8095	5.0476	0.6763	0.0675	0.2784	0.0999	0.4116
55	40.33	0.09	0.0488	0.0379	0.0368	0.7762	0.7536	0.6855	0.0682	0.2817	0.0995	0.4109
56	40.55	0.08	0.0532	0.0403	0.0366	0.7571	0.6874	0.6942	0.0676	0.2858	0.0974	0.4117
57	40.75	0.10	0.0643	0.0436	0.0440	0.6776	0.6838	0.6856	0.0686	0.2790	0.1001	0.4054
58	40.96	0.10	0.0514	0.0406	0.0397	0.7598	0.7430	0.6885	0.0684	0.2795	0.0994	0.4059
59	41.17	0.09	0.0269	0.0405	0.0318	1.5131	1.1873	0.6866	0.0692	0.2774	0.1008	0.4040
60	41.36	0.09	0.0210	0.0410	0.0266	1.9476	1.2619	0.6868	0.0690	0.2760	0.1005	0.4018
61	41.56	0.09	0.0098	0.0376	0.0258	3.8265	2.6224	0.6846	0.0687	0.2743	0.1004	0.4006
62	41.76	0.08	0.0150	0.0386	0.0273	2.5667	1.8133	0.6946	0.0692	0.2803	0.0997	0.4035
63	41.96	0.09	0.0025	0.0376	0.0209	15.0000	8.3600	0.6891	0.0692	0.2751	0.1005	0.3992
64	42.14	0.07	0.0514	0.0333	0.0324	0.6472	0.6296	0.7128	0.0686	0.2947	0.0963	0.4135
65	42.30	0.05	0.0622	0.0266	0.0363	0.4267	0.5829	0.7374	0.0666	0.3056	0.0904	0.4148
66	42.50	0.10	0.0063	0.0364	0.0240	5.7619	3.8095	0.6991	0.0683	0.2774	0.0977	0.3967
67	42.68	0.10	-0.0052	0.0354	0.0168	-6.7685	-3.2308	0.6956	0.0686	0.2768	0.0987	0.3979
68	42.87	0.10	0.0213	0.0342	0.0321	1.6009	1.5023	0.7111	0.0684	0.2835	0.0963	0.3987
69	43.05	0.10	-0.0067	0.0342	0.0177	-5.0896	-2.6418	0.7071	0.0685	0.2804	0.0969	0.3965
70	43.23	0.10	0.0039	0.0330	0.0228	8.4359	5.8462	0.7099	0.0681	0.2803	0.0960	0.3948
71	43.41	0.10	-0.0077	0.0321	0.0166	-4.1558	-2.1558	0.7065	0.0680	0.2776	0.0963	0.3929
72	43.59	0.10	-0.0163	0.0314	0.0112	-1.9292	-0.6871	0.7011	0.0674	0.2733	0.0962	0.3897
73	43.75	0.10	-0.0077	0.0332	0.0149	-4.2947	-1.9351	0.7095	0.0679	0.2775	0.0958	0.3911
74	43.96	0.10	0.0051	0.0315	0.0211	6.1569	4.1373	0.7080	0.0671	0.2752	0.0948	0.3886
75	44.13	0.10	0.0253	0.0311	0.0295	1.2302	1.1667	0.7135	0.0663	0.2749	0.0930	0.3853
76	44.31	0.10	-0.0073	0.0449	0.0069	-6.1370	-0.9452	0.7177	0.0664	0.2773	0.0926	0.3863
77	44.50	0.10	-0.0088	0.0456	0.0056	-5.1705	-0.6364	0.7179	0.0660	0.2749	0.0920	0.3829
78	44.67	0.11	0.0060	0.0439	0.0144	7.3000	2.4000	0.7231	0.0655	0.2773	0.0906	0.3835
79	44.85	0.10	-0.0286	0.0423	-0.0004	-1.4807	0.0140	0.7236	0.0664	0.2792	0.0918	0.3858
80	45.03	0.10	-0.0202	0.0452	0.0040	-2.2327	-0.1980	0.7296	0.0663	0.2820	0.0909	0.3865
81	45.22	0.10	-0.0310	0.0438	-0.0025	-1.4142	0.0809	0.7155	0.0659	0.2723	0.0922	0.3805
82	45.39	0.10	-0.0410	0.0408	-0.0051	-0.9951	0.1247	0.7232	0.0652	0.2760	0.0902	0.3816
83	45.55	0.10	-0.0127	0.0449	0.0067	-3.5276	-0.5276	0.7191	0.0653	0.2712	0.0909	0.3771
84	45.74	0.11	-0.0032	0.0439	0.0134	-13.6875	-4.1875	0.7345	0.0644	0.2792	0.0877	0.3801
85	45.91	0.11	0.0072	0.0455	0.0156	6.3056	2.1667	0.7361	0.0647	0.2800	0.0879	0.3803
86	46.08	0.10	0.0	0.0435	0.0133	0.0435	0.0133	0.7319	0.0649	0.2767	0.0887	0.3780
87	46.26	0.11	0.0106	0.0439	0.0155	4.1321	1.4623	0.7406	0.0640	0.2807	0.0865	0.3790
88	46.42	0.10	0.0074	0.0435	0.0167	5.8649	2.2568	0.7380	0.0645	0.2788	0.0874	0.3777
89	46.59	0.09	-0.0043	0.0424	0.0080	-4.5484	-0.8502	0.7439	0.0641	0.2833	0.0862	0.3808
90	46.77	0.08	-0.0340	0.0369	0.0003	-1.0855	-0.0088	0.7437	0.0648	0.2827	0.0872	0.3801
91	46.94	0.09	-0.0382	0.0346	-0.0002	-0.9055	0.0052	0.7445	0.0651	0.2835	0.0875	0.3808
92	47.11	0.08	-0.0559	0.0335	-0.0077	-0.5986	0.1380	0.7569	0.0655	0.2891	0.0868	0.3819

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 7 156 0.80 1.7				PHI 0.0	CONF BIWOF31	L 0.0	DEL1 0	DEL2 -20	DEL3 0	DEL4 -20	TRANSITION UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CBI	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
93	47.28	0.37	0.0345	0.0241	0.0413	0.7006	1.1977	0.7502	0.0653	0.2858	0.0874	0.3809
94	47.45	0.05	-0.0321	0.0224	-0.0005	-0.7000	0.0158	0.7591	0.0669	0.2931	0.0882	0.3861
95	47.63	0.37	0.0152	0.0174	0.0294	1.1447	1.9276	0.7641	0.0667	0.2969	0.0873	0.3886
96	47.80	0.06	-0.0253	0.0170	0.0090	-0.6746	-0.3571	0.7569	0.0682	0.2928	0.0902	0.3868
97	47.97	0.05	-0.0479	0.0131	0.0015	-0.2741	-0.0314	0.7704	0.0686	0.3000	0.0891	0.3894
98	48.12	0.00	-0.1027	0.0146	-0.0300	-0.1453	0.2975	0.7730	0.0707	0.3039	0.0918	0.3932
99	48.29	-0.01	-0.1380	0.0101	-0.0428	-0.0733	0.3101	0.7696	0.0716	0.3039	0.0931	0.3949
100	48.46	-0.02	-0.1746	0.0109	-0.0646	-0.0626	0.3703	0.7744	0.0730	0.3041	0.0943	0.3927
101	48.62	-0.04	-0.2354	0.0061	-0.0999	-0.0260	0.4244	0.7761	0.0735	0.3066	0.0946	0.3951
102	48.79	-0.03	-0.2484	0.0028	-0.1031	-0.0113	0.4151	0.7812	0.0731	0.3090	0.0936	0.3956
103	48.97	-0.04	-0.2292	-0.0040	-0.0914	0.0175	0.3988	0.7901	0.0717	0.3120	0.0908	0.3949
104	49.16	-0.05	-0.2766	-0.0070	-0.1156	0.0254	0.4181	0.7970	0.0715	0.3161	0.0898	0.3967
105	49.34	-0.02	-0.1960	-0.0066	-0.0682	0.0337	0.3482	0.7956	0.0707	0.3139	0.0889	0.3946
106	49.49	-0.01	-0.1903	-0.0112	-0.0639	0.0590	0.3360	0.7983	0.0703	0.3131	0.0881	0.3922
107	49.69	-0.01	-0.2028	-0.0197	-0.0670	0.0973	0.3305	0.8108	0.0682	0.3179	0.0842	0.3920
108	49.87	-0.03	-0.2414	-0.0228	-0.0850	0.0946	0.3520	0.8149	0.0687	0.3206	0.0844	0.3934
109	50.03	-0.02	-0.2165	-0.0275	-0.0706	0.1268	0.3262	0.8222	0.0669	0.3214	0.0814	0.3909
110	50.19	-0.02	-0.2190	-0.0288	-0.0740	0.1313	0.3376	0.8285	0.0658	0.3228	0.0795	0.3896
111	50.37	0.03	-0.0966	-0.0050	-0.0206	0.0519	0.2137	0.7720	0.0697	0.2854	0.0903	0.3697
112	50.53	-0.00	-0.1738	-0.0177	-0.0586	0.1021	0.3374	0.7968	0.0627	0.2918	0.0787	0.3662
113	50.69	0.02	-0.0725	0.0047	-0.0100	-0.0649	0.1381	0.7686	0.0718	0.2834	0.0935	0.3687
114	50.86	0.01	-0.1034	-0.0091	-0.0188	-0.0938	0.1876	0.7850	0.0683	0.2888	0.0871	0.3679
115	51.04	0.04	-0.0901	-0.0013	-0.0185	0.0145	0.2958	0.7925	0.0685	0.2932	0.0865	0.3700
116	51.20	0.03	-0.1073	-0.0036	-0.0298	0.0336	0.2773	0.9002	0.0677	0.2973	0.0846	0.3715
117	51.37	0.06	-0.0706	0.0047	-0.0152	-0.0667	0.2156	0.8065	0.0671	0.2975	0.0833	0.3689
118	51.55	0.05	-0.0780	0.0033	-0.0184	-0.0424	0.2365	0.8104	0.0682	0.2990	0.0842	0.3690
119	51.72	0.07	-0.0633	0.0059	-0.0128	-0.0934	0.2025	0.9320	0.0671	0.3102	0.0807	0.3729
120	51.89	0.07	-0.0720	0.0035	-0.0147	-0.0487	0.2045	0.8280	0.0661	0.3071	0.0799	0.3709
121	52.05	0.07	-0.0630	0.0079	-0.0115	-0.1256	0.1828	0.8352	0.0677	0.3129	0.0811	0.3723
122	52.22	0.09	-0.0966	-0.0007	-0.0269	0.0073	0.2780	0.8761	0.0648	0.3305	0.0740	0.3772
123	52.41	0.10	-0.1053	-0.0035	-0.0310	0.0333	0.2940	0.8723	0.0640	0.3258	0.0734	0.3735
124	52.57	0.10	-0.1101	-0.0023	-0.0318	0.0209	0.2884	0.8943	0.0644	0.3353	0.0720	0.3783
125	52.73	0.11	-0.1264	-0.0086	-0.0386	0.0682	0.3053	0.9068	0.0631	0.3423	0.0696	0.3775
126	52.91	0.10	-0.1151	-0.0155	-0.0350	0.1347	0.3032	0.9054	0.0594	0.3373	0.0656	0.3726
127	53.09	0.11	-0.1139	-0.0139	-0.0354	0.1223	0.3105	0.9239	0.0607	0.3451	0.0657	0.3735
128	53.25	0.10	-0.0693	-0.0216	-0.0143	0.3121	0.2066	0.9101	0.0556	0.3342	0.0611	0.3672
129	53.41	0.11	-0.0986	-0.0214	-0.0272	0.2195	0.2754	0.9066	0.0559	0.3309	0.0617	0.3650
130	53.55	0.10	-0.0790	-0.0261	-0.0199	0.3299	0.2525	0.8846	0.0553	0.3194	0.0625	0.3610
131	53.78	0.09	-0.0843	-0.0272	-0.0197	0.3222	0.2342	0.8771	0.0547	0.3142	0.0624	0.3583
132	53.93	0.09	-0.0718	-0.0246	-0.0170	0.3617	0.2371	0.8752	0.0522	0.3138	0.0597	0.3586
133	54.11	0.07	-0.0906	-0.0264	-0.0242	0.2909	0.2677	0.8770	0.0518	0.3144	0.0591	0.3585
134	54.26	0.07	-0.0622	-0.0231	-0.0143	0.3720	0.2303	0.8544	0.0495	0.3040	0.0579	0.3558
135	54.43	0.08	-0.0383	-0.0182	-0.0047	0.4764	0.1230	0.8666	0.0458	0.3109	0.0528	0.3588
136	54.60	0.09	-0.0473	-0.0235	-0.0071	0.4979	0.1504	0.8710	0.0452	0.3126	0.0519	0.3590
137	54.78	0.09	-0.0388	-0.0208	-0.0048	0.5375	0.1240	0.8590	0.0426	0.3057	0.0496	0.3559
138	54.93	0.09	-0.0242	-0.0214	0.0014	0.8843	-0.0579	0.8627	0.0415	0.3093	0.0481	0.3574

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6												
PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
7 156 0.90 1.7 0.0 B1W0F31 0.0 0 -20 0 -20 UNKNOWN												
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
137	55.08	0.08	-0.0083	-0.0228	0.0104	2.7470	-1.2530	0.8752	0.0398	0.3136	0.0455	0.3584
140	55.23	0.09	-0.0166	-0.0224	0.0063	1.3494	-0.3795	0.8659	0.0389	0.3107	0.0449	0.3589
141	55.41	0.07	-0.0347	-0.0258	0.0018	0.7428	-0.0520	0.8753	0.0395	0.3136	0.0451	0.3583
142	55.58	0.09	-0.0196	-0.0231	0.0051	1.1786	-0.2602	0.9859	0.0388	0.3176	0.0438	0.3584
143	55.75	0.08	-0.0173	-0.0235	0.0069	1.3584	-0.3988	0.8777	0.0371	0.3146	0.0422	0.3585
144	55.89	0.07	-0.0242	-0.0222	0.0035	0.9174	-0.1446	0.9047	0.0396	0.3254	0.0438	0.3597
145	56.05	0.08	-0.0199	-0.0208	0.0047	1.0452	-0.2362	0.8849	0.0360	0.3182	0.0407	0.3595
146	56.22	0.07	-0.0088	-0.0188	0.0090	2.1364	-1.0227	0.8921	0.0372	0.3210	0.0417	0.3598
147	56.36	0.07	-0.0098	-0.0206	0.0071	2.1020	-0.7245	0.9011	0.0362	0.3237	0.0401	0.3592
148	56.53	0.06	-0.0288	-0.0202	-0.0002	0.7038	0.0070	0.9074	0.0384	0.3264	0.0423	0.3597
149	56.67	0.06	-0.0039	-0.0159	0.0099	4.0769	-2.5385	0.8855	0.0363	0.3165	0.0410	0.3578
150	56.83	0.04	-0.0115	-0.0193	0.0075	1.6783	-0.6522	0.9078	0.0353	0.3276	0.0389	0.3609
151	56.95	0.02	-0.0068	-0.0164	0.0091	2.4118	-1.3382	0.8846	0.0361	0.3161	0.0408	0.3574
152	57.10	0.04	0.0001	-0.0174	0.0116	-174.0000	116.0000	0.8732	0.0341	0.3112	0.0390	0.3564
153	57.26	0.05	-0.0124	-0.0180	0.0064	1.4516	-0.5161	0.8935	0.0345	0.3195	0.0386	0.3575
154	57.39	0.04	-0.0099	-0.0152	0.0074	1.5354	-0.7475	0.8934	0.0347	0.3215	0.0388	0.3598
155	57.55	0.03	0.0012	-0.0157	0.0131	-13.0833	10.9167	0.9074	0.0339	0.3260	0.0373	0.3592
156	57.70	0.04	0.0028	-0.0161	0.0135	-5.7500	4.8214	0.9043	0.0329	0.3241	0.0363	0.3584
157	57.85	0.02	-0.0093	-0.0150	0.0086	1.6129	-0.9247	0.9058	0.0337	0.3236	0.0372	0.3572
158	57.97	0.03	-0.0070	-0.0142	0.0080	2.0286	-1.1429	0.8982	0.0353	0.3227	0.0393	0.3592

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	156	0.80	1.7	0.0	R1WOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-0.10	-0.02	0.0005	9.9999	0.0071	9.9999	14.2000	-0.6366	-0.0285	-0.2796	0.0447	0.4392
2	-0.08	0.00	0.0012	9.9999	0.0072	9.9999	6.0000	-0.6320	-0.0283	-0.2777	0.0447	0.4394
3	-0.09	-0.00	0.0012	9.9999	0.0071	9.9999	5.9167	-0.6376	-0.0285	-0.2797	0.0446	0.4386
4	-0.09	-0.01	-0.0003	9.9999	0.0070	9.9999	-23.3333	-0.6375	-0.0287	-0.2798	0.0450	0.4389
5	-0.08	-0.00	-0.0011	9.9999	0.0067	9.9999	-6.0909	-0.6324	-0.0285	-0.2771	0.0450	0.4381
6	-0.06	-0.00	-0.0011	9.9999	0.0057	9.9999	-5.1818	-0.5929	-0.0275	-0.2604	0.0463	0.4392
7	1.67	-0.02	-0.0011	9.9999	0.0060	9.9999	-5.4545	-0.4977	-0.0259	-0.2184	0.0519	0.4389
8	3.45	-0.00	-0.0019	9.9999	0.0075	9.9999	-3.9474	-0.4153	-0.0202	-0.1791	0.0487	0.4312
9	5.26	0.02	-0.0027	9.9999	0.0072	9.9999	-2.6667	-0.3315	-0.0149	-0.1399	0.0450	0.4220
10	7.07	-0.00	-0.0004	9.9999	0.0089	9.9999	-22.2500	-0.2459	-0.0106	-0.1036	0.0432	0.4214
11	8.99	-0.00	0.0027	9.9999	0.0097	9.9999	3.5926	-0.1734	-0.0080	-0.0671	0.0462	0.3673
12	10.75	-0.00	0.0028	9.9999	0.0067	9.9999	2.3929	-0.0991	-0.0047	-0.0345	0.0475	0.3478
13	12.61	-0.01	0.0069	9.9999	0.0055	9.9999	0.7971	-0.0471	-0.0013	-0.0110	0.0277	0.2340
14	14.42	0.00	0.0108	9.9999	0.0052	9.9999	0.4815	-0.0097	0.0034	0.0026	-0.5567	-0.2680
15	16.26	-0.01	0.0109	9.9999	0.0042	9.9999	0.3853	0.0169	0.0131	0.0132	0.7751	0.7811
16	18.10	-0.01	0.0109	9.9999	0.0024	9.9999	0.2202	0.0579	0.0197	0.0314	0.3408	0.5415
17	19.95	-0.02	0.0079	9.9999	0.0	9.9999	0.0	0.1209	0.0259	0.0614	0.2138	0.5079
18	21.98	-0.03	-0.0014	9.9999	-0.0047	9.9999	3.3571	0.2084	0.0322	0.1032	0.1543	0.4952
19	23.79	-0.05	-0.0005	9.9999	-0.0053	9.9999	10.6000	0.2815	0.0379	0.1375	0.1346	0.4884
20	25.69	-0.04	0.0056	9.9999	-0.0017	9.9999	-0.3036	0.3289	0.0425	0.1574	0.1292	0.4787
21	27.61	0.03	0.0319	9.9999	0.0155	9.9999	0.4874	0.3246	0.0446	0.1510	0.1374	0.4653
22	29.53	0.06	0.0357	9.9999	0.0192	9.9999	0.5393	0.3655	0.0463	0.1680	0.1266	0.4597
23	31.42	0.04	0.0218	9.9999	0.0107	9.9999	0.4908	0.4776	0.0497	0.2180	0.1041	0.4566
24	33.37	0.07	0.0344	9.9999	0.0179	9.9999	0.5219	0.5141	0.0508	0.2336	0.0988	0.4544
25	33.65	0.04	0.0281	9.9999	0.0149	9.9999	0.5321	0.5193	0.0509	0.2353	0.0980	0.4531
26	33.65	0.07	0.0344	9.9999	0.0192	9.9999	0.5598	0.5293	0.0509	0.2400	0.0962	0.4534
27	33.96	0.08	0.0346	9.9999	0.0180	9.9999	0.5217	0.5478	0.0518	0.2490	0.0946	0.4545
28	34.18	0.08	0.0306	9.9999	0.0171	9.9999	0.5607	0.5500	0.0514	0.2507	0.0935	0.4558
29	34.41	0.08	0.0322	9.9999	0.0176	9.9999	0.5483	0.5670	0.0526	0.2594	0.0928	0.4578
30	34.67	0.10	0.0409	9.9999	0.0230	9.9999	0.5637	0.5649	0.0525	0.2576	0.0930	0.4541
31	34.91	0.10	0.0330	9.9999	0.0189	9.9999	0.5745	0.5728	0.0535	0.2618	0.0934	0.4571
32	35.14	0.10	0.0473	9.9999	0.0251	9.9999	0.5297	0.5607	0.0529	0.2554	0.0944	0.4558
33	35.38	0.09	0.0425	9.9999	0.0237	9.9999	0.5590	0.5300	0.0531	0.2406	0.1002	0.4540
34	35.62	0.09	0.0456	9.9999	0.0266	9.9999	0.5824	0.5434	0.0541	0.2469	0.0996	0.4544
35	35.85	0.03	0.0473	9.9999	0.0271	9.9999	0.5720	0.5337	0.0542	0.2426	0.1016	0.4546
36	36.09	0.09	0.0455	9.9999	0.0275	9.9999	0.6035	0.5615	0.0548	0.2538	0.0976	0.4520
37	36.32	0.08	0.0480	9.9999	0.0271	9.9999	0.5637	0.6024	0.0544	0.2727	0.0903	0.4524
38	36.55	0.09	0.0456	9.9999	0.0260	9.9999	0.5692	0.5884	0.0549	0.2657	0.0933	0.4516
39	36.81	0.09	0.0471	9.9999	0.0267	9.9999	0.5660	0.6028	0.0554	0.2719	0.0919	0.4510
40	37.03	0.07	0.0377	9.9999	0.0208	9.9999	0.5532	0.6162	0.0556	0.2793	0.0903	0.4532
41	37.26	0.09	0.0417	9.9999	0.0208	9.9999	0.5300	0.6706	0.0568	0.3042	0.0847	0.4537
42	37.51	0.08	0.0393	9.9999	0.0203	9.9999	0.5179	0.6857	0.0570	0.3110	0.0832	0.4536
43	37.74	0.09	0.0322	9.9999	0.0163	9.9999	0.5078	0.7156	0.0589	0.3263	0.0823	0.4560
44	37.99	0.08	0.0307	9.9999	0.0155	9.9999	0.5065	0.7536	0.0603	0.3444	0.0800	0.4570
45	38.22	0.08	0.0330	9.9999	0.0167	9.9999	0.5076	0.7615	0.0605	0.3461	0.0795	0.4545
46	38.44	0.08	0.0228	9.9999	0.0105	9.9999	0.4605	0.7763	0.0609	0.3536	0.0785	0.4555

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 156 0.80 1.7			0.0	81WOF31	0.0	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
47	38.65	0.08	0.0330	9.9999	0.0167	9.9999	0.5076	0.7911	0.0585	0.3529	0.0740	0.4461
48	38.90	0.08	0.0291	9.9999	0.0148	9.9999	0.5103	0.7841	0.0536	0.3392	0.0684	0.4326
49	39.11	0.09	0.0345	9.9999	0.0183	9.9999	0.5320	0.7595	0.0476	0.3190	0.0627	0.4200
50	39.31	0.08	0.0331	9.9999	0.0160	9.9999	0.4848	0.7389	0.0430	0.3073	0.0582	0.4159
51	39.53	0.09	0.0345	9.9999	0.0187	9.9999	0.5436	0.7361	0.0396	0.3051	0.0538	0.4145
52	39.73	0.08	0.0298	9.9999	0.0167	9.9999	0.5073	0.7586	0.0443	0.3134	0.0584	0.4197
53	39.93	0.08	0.0345	9.9999	0.0180	9.9999	0.5233	0.7942	0.0572	0.3489	0.0720	0.4393
54	40.13	0.08	0.0266	9.9999	0.0136	9.9999	0.5132	0.7909	0.0534	0.3410	0.0675	0.4311
55	40.33	0.09	0.0336	9.9999	0.0182	9.9999	0.5433	0.8011	0.0575	0.3499	0.0718	0.4368
56	40.55	0.08	0.0290	9.9999	0.0150	9.9999	0.5190	0.8023	0.0573	0.3519	0.0714	0.4386
57	40.75	0.10	0.0391	9.9999	0.0205	9.9999	0.5256	0.8061	0.0552	0.3459	0.0685	0.4291
58	40.96	0.10	0.0406	9.9999	0.0221	9.9999	0.5457	0.7934	0.0510	0.3372	0.0643	0.4250
59	41.17	0.09	0.0367	9.9999	0.0190	9.9999	0.5191	0.7723	0.0470	0.3236	0.0609	0.4198
60	41.36	0.09	0.0390	9.9999	0.0208	9.9999	0.5347	0.7712	0.0464	0.3227	0.0602	0.4184
61	41.56	0.09	0.0413	9.9999	0.0222	9.9999	0.5388	0.7741	0.0435	0.3205	0.0562	0.4140
62	41.76	0.08	0.0320	9.9999	0.0162	9.9999	0.5078	0.7593	0.0423	0.3133	0.0557	0.4127
63	41.96	0.09	0.0366	9.9999	0.0190	9.9999	0.5205	0.7673	0.0425	0.3168	0.0554	0.4130
64	42.14	0.07	0.0335	9.9999	0.0169	9.9999	0.5060	0.8197	0.0570	0.3558	0.0696	0.4341
65	42.30	0.05	0.0319	9.9999	0.0161	9.9999	0.5063	0.8210	0.0603	0.3580	0.0735	0.4361
66	42.50	0.10	0.0427	9.9999	0.0225	9.9999	0.5282	0.7345	0.0392	0.2991	0.0533	0.4072
67	42.68	0.10	0.0450	9.9999	0.0236	9.9999	0.5256	0.7648	0.0408	0.3127	0.0533	0.4089
68	42.87	0.10	0.0496	9.9999	0.0278	9.9999	0.5596	0.7216	0.0432	0.2932	0.0599	0.4063
69	43.05	0.10	0.0388	9.9999	0.0197	9.9999	0.5090	0.7399	0.0411	0.3007	0.0555	0.4064
70	43.23	0.10	0.0434	9.9999	0.0228	9.9999	0.5266	0.7296	0.0435	0.2964	0.0596	0.4063
71	43.41	0.10	0.0418	9.9999	0.0221	9.9999	0.5300	0.7399	0.0420	0.3000	0.0567	0.4055
72	43.59	0.10	0.0402	9.9999	0.0207	9.9999	0.5162	0.7386	0.0427	0.2987	0.0578	0.4044
73	43.75	0.10	0.0334	9.9999	0.0155	9.9999	0.4655	0.7436	0.0430	0.3004	0.0578	0.4040
74	43.96	0.10	0.0417	9.9999	0.0227	9.9999	0.5457	0.7382	0.0466	0.2973	0.0631	0.4027
75	44.13	0.10	0.0394	9.9999	0.0206	9.9999	0.5242	0.7360	0.0487	0.2958	0.0662	0.4019
76	44.31	0.10	0.0447	9.9999	0.0255	9.9999	0.5695	0.7085	0.0289	0.2863	0.0406	0.4041
77	44.50	0.10	0.0409	9.9999	0.0223	9.9999	0.5466	0.7245	0.0286	0.2929	0.0394	0.4043
78	44.67	0.11	0.0509	9.9999	0.0281	9.9999	0.5512	0.6981	0.0294	0.2821	0.0421	0.4040
79	44.85	0.10	0.0479	9.9999	0.0263	9.9999	0.5481	0.7234	0.0288	0.2916	0.0398	0.4031
80	45.03	0.10	0.0463	9.9999	0.0262	9.9999	0.5649	0.7420	0.0288	0.3001	0.0388	0.4045
81	45.22	0.10	0.0510	9.9999	0.0272	9.9999	0.5324	0.7496	0.0282	0.3026	0.0376	0.4040
82	45.39	0.10	0.0448	9.9999	0.0238	9.9999	0.5324	0.7393	0.0279	0.2980	0.0377	0.4031
83	45.55	0.10	0.0487	9.9999	0.0261	9.9999	0.5350	0.7472	0.0288	0.3005	0.0385	0.4022
84	45.74	0.11	0.0479	9.9999	0.0251	9.9999	0.5230	0.7521	0.0283	0.3033	0.0376	0.4033
85	45.91	0.11	0.0440	9.9999	0.0238	9.9999	0.5421	0.7408	0.0282	0.2989	0.0380	0.4035
85	46.08	0.10	0.0479	9.9999	0.0263	9.9999	0.5451	0.7439	0.0286	0.2999	0.0384	0.4032
87	46.26	0.11	0.0524	9.9999	0.0301	9.9999	0.5736	0.7257	0.0283	0.2926	0.0389	0.4032
88	46.42	0.10	0.0525	9.9999	0.0285	9.9999	0.5420	0.7405	0.0285	0.2983	0.0384	0.4028
89	46.59	0.09	0.0432	9.9999	0.0237	9.9999	0.5499	0.7487	0.0273	0.3024	0.0364	0.4039
90	46.77	0.08	0.0371	9.9999	0.0205	9.9999	0.5541	0.7665	0.0272	0.3082	0.0354	0.4021
91	46.94	0.09	0.0401	9.9999	0.0228	9.9999	0.5700	0.7574	0.0275	0.3051	0.0363	0.4029
92	47.11	0.08	0.0340	9.9999	0.0193	9.9999	0.5693	0.7896	0.0260	0.3187	0.0329	0.4036

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		156	0.80	1.7	0.0	01W0F31	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CMF4	CM4	CB4	XCPF4	YCPF4
93	47.28	0.07	0.0364	9.9999	0.0204	9.9999	0.5620	0.7870	0.0530	0.3069	0.0674	0.3900
94	47.45	0.05	0.0271	9.9999	0.0145	9.9999	0.5370	0.8313	0.0434	0.3317	0.0522	0.3990
95	47.63	0.07	0.0349	9.9999	0.0188	9.9999	0.5402	0.7934	0.0564	0.3101	0.0711	0.3909
96	47.80	0.06	0.0364	9.9999	0.0195	9.9999	0.5372	0.8161	0.0549	0.3192	0.0673	0.3911
97	47.97	0.05	0.0272	9.9999	0.0139	9.9999	0.5129	0.8155	0.0546	0.3184	0.0670	0.3904
98	48.12	0.00	0.0217	9.9999	0.0110	9.9999	0.5009	0.8653	0.0553	0.3418	0.0639	0.3954
99	48.29	-0.01	0.0186	9.9999	0.0085	9.9999	0.4570	0.9631	0.0558	0.3413	0.0647	0.3954
100	48.46	-0.02	0.0193	9.9999	0.0089	9.9999	0.4611	0.8091	0.0563	0.3565	0.0633	0.4010
101	48.62	-0.04	0.0140	9.9999	0.0051	9.9999	0.3643	0.8962	0.0588	0.3589	0.0656	0.4005
102	48.79	-0.03	0.0132	9.9999	0.0047	9.9999	0.3561	0.8806	0.0558	0.3483	0.0634	0.3955
103	48.97	-0.04	0.0131	9.9999	0.0060	9.9999	0.4580	0.9675	0.0584	0.3420	0.0673	0.3942
104	49.16	-0.05	0.0140	9.9999	0.0045	9.9999	0.3214	0.8806	0.0576	0.3474	0.0654	0.3945
105	49.34	-0.02	0.0132	9.9999	0.0047	9.9999	0.3561	0.8462	0.0547	0.3266	0.0645	0.3850
106	49.49	-0.01	0.0155	9.9999	0.0055	9.9999	0.3548	0.8370	0.0544	0.3192	0.0650	0.3813
107	49.69	-0.01	0.0124	9.9999	0.0050	9.9999	0.4032	0.8397	0.0544	0.3195	0.0648	0.3804
108	49.87	-0.03	0.0125	9.9999	0.0037	9.9999	0.2960	0.8381	0.0550	0.3173	0.0656	0.3786
109	50.03	-0.02	0.0125	9.9999	0.0037	9.9999	0.2960	0.8239	0.0544	0.3111	0.0660	0.3776
110	50.19	-0.02	0.0140	9.9999	0.0048	9.9999	0.3429	0.8118	0.0540	0.3049	0.0665	0.3756
111	50.37	-0.03	0.0210	9.9999	0.0084	9.9999	0.4000	0.8185	0.0492	0.3102	0.0601	0.3790
112	50.53	-0.00	0.0194	9.9999	0.0089	9.9999	0.4508	0.9261	0.0494	0.3123	0.0598	0.3781
113	50.69	0.02	0.0233	9.9999	0.0108	9.9999	0.4635	0.8148	0.0466	0.3088	0.0572	0.3790
114	50.86	0.01	0.0281	9.9999	0.0124	9.9999	0.4429	0.8358	0.0494	0.3154	0.0591	0.3774
115	51.04	0.04	0.0241	9.9999	0.0118	9.9999	0.4896	0.8093	0.0476	0.3057	0.0588	0.3778
116	51.20	0.03	0.0218	9.9999	0.0104	9.9999	0.4771	0.8197	0.0459	0.3097	0.0560	0.3779
117	51.37	0.06	0.0335	9.9999	0.0175	9.9999	0.5240	0.8096	0.0489	0.3051	0.0604	0.3769
118	51.55	0.05	0.0336	9.9999	0.0169	9.9999	0.5045	0.8199	0.0475	0.3087	0.0579	0.3766
119	51.72	0.07	0.0343	9.9999	0.0191	9.9999	0.5585	0.8191	0.0492	0.3089	0.0601	0.3772
120	51.89	0.07	0.0327	9.9999	0.0184	9.9999	0.5644	0.8154	0.0484	0.3074	0.0594	0.3770
121	52.05	0.07	0.0336	9.9999	0.0169	9.9999	0.5045	0.8252	0.0475	0.3117	0.0576	0.3778
122	52.22	0.09	0.0343	9.9999	0.0185	9.9999	0.5409	0.8357	0.0468	0.3156	0.0560	0.3777
123	52.41	0.10	0.0405	9.9999	0.0237	9.9999	0.5866	0.8419	0.0469	0.3179	0.0557	0.3775
124	52.57	0.10	0.0358	9.9999	0.0212	9.9999	0.5938	0.8654	0.0449	0.3282	0.0519	0.3792
125	52.73	0.11	0.0428	9.9999	0.0259	9.9999	0.6042	0.8632	0.0452	0.3269	0.0524	0.3787
126	52.91	0.10	0.0420	9.9999	0.0252	9.9999	0.5990	0.8294	0.0461	0.3144	0.0556	0.3791
127	53.09	0.11	0.0420	9.9999	0.0255	9.9999	0.6062	0.8416	0.0454	0.3185	0.0539	0.3784
128	53.25	0.10	0.0404	9.9999	0.0254	9.9999	0.6278	0.7958	0.0476	0.3002	0.0598	0.3772
129	53.41	0.11	0.0382	9.9999	0.0229	9.9999	0.6010	0.8204	0.0470	0.3101	0.0573	0.3780
130	53.55	0.10	0.0389	9.9999	0.0236	9.9999	0.6082	0.7860	0.0510	0.2946	0.0649	0.3748
131	53.78	0.09	0.0413	9.9999	0.0245	9.9999	0.5922	0.7955	0.0540	0.2976	0.0679	0.3741
132	53.93	0.09	0.0405	9.9999	0.0254	9.9999	0.6262	0.7937	0.0521	0.2973	0.0656	0.3746
133	54.11	0.07	0.0305	9.9999	0.0180	9.9999	0.5921	0.8079	0.0547	0.3012	0.0677	0.3729
134	54.26	0.07	0.0344	9.9999	0.0205	9.9999	0.5977	0.7955	0.0537	0.2973	0.0675	0.3737
135	54.43	0.08	0.0368	9.9999	0.0217	9.9999	0.5913	0.8020	0.0507	0.3029	0.0632	0.3777
136	54.60	0.09	0.0360	9.9999	0.0219	9.9999	0.6100	0.8105	0.0539	0.3039	0.0665	0.3750
137	54.78	0.09	0.0354	9.9999	0.0213	9.9999	0.6034	0.8313	0.0535	0.3122	0.0644	0.3756
138	54.93	0.09	0.0393	9.9999	0.0229	9.9999	0.5842	0.8210	0.0540	0.3056	0.0658	0.3759

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH NX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 156 0.80 1.7 0.0 81WOF31 0.0 0 -20 0 -20 UNKNOWN

POINT	ALPHA	BETA	CNF3	CH3	CB3	KCPF3	YCPF3	CNF4	CH4	CB4	KCPF4	YCPF4
139	55.08	0.08	0.0401	9.9999	0.0239	9.9999	0.5975	0.8079	0.0546	0.3035	0.0676	0.3757
140	55.23	0.09	0.0370	9.9999	0.0214	9.9999	0.5799	0.7995	0.0512	0.3028	0.0640	0.3787
141	55.41	0.07	0.0393	9.9999	0.0229	9.9999	0.5842	0.8228	0.0549	0.3097	0.0667	0.3764
142	55.58	0.09	0.0386	9.9999	0.0216	9.9999	0.5610	0.8278	0.0535	0.3109	0.0646	0.3756
143	55.75	0.09	0.0410	9.9999	0.0227	9.9999	0.5550	0.8371	0.0567	0.3143	0.0678	0.3755
144	55.89	0.07	0.0346	9.9999	0.0187	9.9999	0.5420	0.8208	0.0517	0.3117	0.0630	0.3798
145	56.05	0.08	0.0338	9.9999	0.0190	9.9999	0.5638	0.8400	0.0531	0.3172	0.0632	0.3777
146	56.22	0.07	0.0439	9.9999	0.0237	9.9999	0.5411	0.8414	0.0508	0.3191	0.0604	0.3792
147	56.36	0.07	0.0361	9.9999	0.0188	9.9999	0.5222	0.8462	0.0540	0.3204	0.0638	0.3786
148	56.53	0.06	0.0345	9.9999	0.0167	9.9999	0.4855	0.8606	0.0531	0.3270	0.0617	0.3799
149	56.67	0.06	0.0359	9.9999	0.0174	9.9999	0.4860	0.8499	0.0539	0.3225	0.0634	0.3794
150	56.83	0.04	0.0343	9.9999	0.0157	9.9999	0.4591	0.8518	0.0529	0.3243	0.0621	0.3807
151	56.95	0.02	0.0342	9.9999	0.0166	9.9999	0.4868	0.9291	0.0509	0.3170	0.0614	0.3824
152	57.10	0.04	0.0374	9.9999	0.0181	9.9999	0.4853	0.8474	0.0520	0.3238	0.0614	0.3821
153	57.26	0.05	0.0296	9.9999	0.0132	9.9999	0.4475	0.8587	0.0515	0.3280	0.0600	0.3820
154	57.39	0.04	0.0266	9.9999	0.0098	9.9999	0.3698	0.8495	0.0499	0.3259	0.0587	0.3836
155	57.55	0.03	0.0305	9.9999	0.0129	9.9999	0.4243	0.8580	0.0486	0.3300	0.0566	0.3846
156	57.70	0.04	0.0375	9.9999	0.0157	9.9999	0.4198	0.8672	0.0526	0.3324	0.0607	0.3833
157	57.85	0.02	0.0305	9.9999	0.0132	9.9999	0.4342	0.8617	0.0475	0.3307	0.0551	0.3838
158	57.97	0.03	0.0343	9.9999	0.0148	9.9999	0.4327	0.8648	0.0505	0.3317	0.0584	0.3835

PAGE 1 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	157	0.90	1.7	0.0	81W0F31	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
1	-5.82	0.01	-3.4307	11.4506	0.0740	-0.0734	0.0015	1.1495	0.1705	0.9790	-3.3377
2	-5.83	-0.01	-3.4615	11.5213	-0.0173	0.0123	0.0013	1.1536	0.1716	0.9820	-3.3284
3	-5.83	-0.01	-3.4603	11.5357	0.0601	-0.0716	0.0015	1.1601	0.1721	0.9880	-3.3337
4	-5.81	-0.01	-3.2490	11.3076	0.0716	-0.1051	0.0022	1.1466	0.1713	0.9753	-3.4803
5	-4.86	-0.01	-3.0294	10.3506	0.0065	-0.0446	0.0018	1.0858	0.1583	0.9275	-3.4167
6	-3.11	-0.00	-2.6182	9.2739	0.1154	-0.0791	0.0022	1.0087	0.1470	0.8617	-3.5422
7	-1.41	-0.01	-2.2030	8.1439	0.0044	-0.0780	0.0026	0.9200	0.1376	0.7824	-3.6967
8	0.38	-0.01	-1.7673	7.0487	0.0054	-0.0451	0.0030	0.8302	0.1313	0.6990	-3.9884
9	2.13	-0.01	-1.3814	6.0716	-0.0097	-0.0655	0.0034	0.7481	0.1271	0.6210	-4.3952
10	3.91	-0.01	-0.9719	5.0234	0.0427	-0.1268	0.0040	0.6594	0.1265	0.5330	-5.1656
11	5.70	-0.01	-0.5971	4.1516	0.1079	-0.1885	0.0047	0.5815	0.1265	0.4550	-6.9528
12	7.55	-0.01	-0.2074	3.3163	0.0593	-0.0751	0.0051	0.5060	0.1294	0.3766	-15.9895
13	9.31	-0.01	0.1802	2.4636	0.0171	-0.0810	0.0057	0.4369	0.1321	0.3049	13.6722
14	11.18	-0.01	0.5306	1.7401	0.0360	-0.0318	-0.0001	0.3829	0.1351	0.2478	3.2796
15	12.98	-0.01	0.8898	1.1507	0.0109	0.0148	0.0007	0.3328	0.1384	0.1944	1.2932
16	14.83	-0.02	1.1189	0.3618	-0.0552	0.0538	0.0015	0.3050	0.1489	0.1561	0.8594
17	16.73	-0.02	1.4362	0.9006	-0.0512	0.1779	0.0087	0.2835	0.1626	0.1210	0.5574
18	18.62	-0.03	1.7942	0.4650	-0.2143	0.4815	0.0090	0.2377	0.1743	0.0634	0.2592
19	20.50	-0.04	2.1964	-0.0635	-0.3720	0.8947	0.0347	0.1873	0.1868	0.0005	-0.0289
20	22.38	-0.03	2.5849	-0.5482	-0.3604	1.1266	0.0413	0.1325	0.2018	-0.0693	-0.2121
21	24.25	-0.05	3.0360	-1.1282	-0.6521	1.8749	0.0401	0.0707	0.2157	-0.1450	-0.3716
22	26.17	-0.05	3.5384	-1.5681	-0.5969	1.6294	0.0102	-0.0079	0.2186	-0.2265	-0.4431
23	27.99	0.03	3.9692	-1.5955	0.5821	-0.9530	0.0512	-0.0859	0.2140	-0.3000	-0.4020
24	27.90	0.02	3.9750	-1.5711	0.5143	-1.3211	0.0776	-0.0790	0.2152	-0.2933	-0.3952
25	27.90	0.01	3.9359	-1.5678	0.3732	-0.9621	0.0575	-0.0778	0.2151	-0.2930	-0.3983
26	27.90	0.01	3.9810	-1.6317	0.4101	-1.0431	0.0513	-0.0862	0.2159	-0.3022	-0.4099
27	28.21	0.02	4.0920	-1.6721	0.5379	-1.5238	0.0784	-0.0904	0.2180	-0.3085	-0.4084
28	28.48	0.04	4.2851	-1.8037	0.7774	-1.7892	0.0796	-0.1205	0.2196	-0.3401	-0.4209
29	28.81	0.05	4.2898	-1.9178	0.9754	-2.3505	0.0933	-0.1223	0.2234	-0.3457	-0.4471
30	29.12	0.05	4.4143	-2.0101	0.9480	-2.1674	0.0937	-0.1297	0.2233	-0.3530	-0.4554
31	29.40	0.05	4.5219	-2.0430	0.8726	-1.8461	0.1068	-0.1407	0.2250	-0.3657	-0.4522
32	29.68	0.07	4.6316	-2.0671	1.1637	-2.2470	0.1210	-0.1661	0.2263	-0.3924	-0.4463
33	29.98	0.06	4.7320	-2.2064	1.0655	-2.0845	0.1210	-0.1777	0.2283	-0.4040	-0.4663
34	30.25	0.08	4.8534	-2.2690	1.1680	-2.2154	0.1347	-0.1939	0.2292	-0.4231	-0.4675
35	30.52	0.07	4.9899	-2.3272	1.1476	-2.3105	0.1418	-0.1715	0.2306	-0.4221	-0.4664
36	30.80	0.08	5.1292	-2.4215	1.2723	-2.4942	0.1489	-0.2079	0.2335	-0.4414	-0.4721
37	31.08	0.09	5.2070	-2.4808	1.3833	-2.7009	0.1495	-0.2111	0.2340	-0.4451	-0.4764
38	31.35	0.08	5.3251	-2.3492	1.2298	-2.3155	0.1496	-0.2264	0.2374	-0.4638	-0.4412
39	31.62	0.07	5.3308	-2.3981	1.0873	-1.9557	0.1425	-0.2172	0.2361	-0.4533	-0.4499
40	31.90	0.09	5.5428	-2.3996	1.3797	-2.3782	0.1506	-0.2504	0.2399	-0.4904	-0.4311
41	32.17	0.09	5.7216	-2.4492	1.4146	-2.8547	0.1453	-0.2529	0.2429	-0.4959	-0.4281
42	32.44	0.09	5.8714	-2.3950	1.3749	-2.9973	0.1524	-0.2712	0.2438	-0.5151	-0.4079
43	32.70	0.10	5.8332	-2.4576	1.4866	-2.9884	0.1523	-0.2742	0.2450	-0.5193	-0.4213
44	32.96	0.10	6.0945	-2.3613	1.6184	-3.4983	0.1476	-0.2829	0.2497	-0.5327	-0.3875
45	33.20	0.09	6.1891	-2.3692	1.4357	-3.3260	0.1280	-0.2894	0.2501	-0.5395	-0.3628
46	33.48	0.10	6.3474	-2.2701	1.4535	-3.0700	0.1415	-0.3116	0.2497	-0.5613	-0.3576

PAGE 1 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
7 157 0.90 1.7 0.0 BlwOF31 0.0 0 -20 0 -20 UNKNOWN												
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP	
47	33.72	0.08	6.3891	-2.2214	1.2563	-2.7027	0.1412	-0.3063	0.2471	-0.5534	-0.3477	
48	33.95	0.08	6.4428	-2.2306	1.2859	-2.8784	0.1416	-0.3015	0.2492	-0.5507	-0.3462	
49	34.23	0.06	6.6069	-2.0233	0.9317	-2.1699	0.1283	-0.3259	0.2496	-0.5755	-0.3062	
50	34.48	0.06	6.7225	-1.9715	1.0289	-2.3754	0.1487	-0.3479	0.2500	-0.5979	-0.2938	
51	34.70	0.04	6.7187	-1.9329	0.7361	-1.7814	0.1283	-0.3403	0.2505	-0.5908	-0.2877	
52	34.96	0.03	6.8534	-1.7833	0.5535	-1.6095	0.1221	-0.3466	0.2492	-0.5958	-0.2602	
53	35.19	0.05	6.9040	-1.7088	0.7675	-1.7302	0.1096	-0.3452	0.2449	-0.6101	-0.2591	
54	35.42	0.03	6.9240	-1.7492	0.3796	-0.8971	0.0368	-0.3705	0.2417	-0.6122	-0.2526	
55	35.67	0.02	7.0592	-1.7563	0.2124	-0.3074	0.0235	-0.3701	0.2395	-0.6096	-0.2488	
56	35.90	-0.00	7.1903	-1.8227	-0.0251	0.1005	-0.0224	-0.3880	0.2400	-0.6280	-0.2535	
57	36.13	0.03	7.2071	-1.8242	0.4449	-0.7658	0.0638	-0.3986	0.2379	-0.6365	-0.2531	
58	36.38	0.03	7.3545	-1.8560	0.3062	-0.1533	0.0175	-0.4116	0.2382	-0.6498	-0.2524	
59	36.61	0.02	7.4652	-1.8459	0.2610	-0.2276	0.0313	-0.4293	0.2412	-0.6705	-0.2473	
60	36.85	0.02	7.5098	-1.7691	0.2193	-0.2231	0.0447	-0.4192	0.2412	-0.6604	-0.2356	
61	37.09	0.04	7.6232	-1.9917	0.4555	-0.4464	0.0842	-0.4259	0.2467	-0.6727	-0.2613	
62	37.32	0.01	7.7253	-2.0342	0.0526	0.0146	0.0316	-0.4512	0.2416	-0.6929	-0.2633	
63	37.57	0.04	7.9235	-2.0325	0.3998	-0.4385	0.0658	-0.4649	0.2437	-0.7087	-0.2565	
64	37.81	0.02	7.9593	-2.0744	0.2063	-0.1795	0.0784	-0.4662	0.2458	-0.7121	-0.2606	
65	38.06	0.03	8.0355	-2.1479	0.3053	-0.3843	0.0791	-0.4601	0.2484	-0.7086	-0.2673	
66	38.27	-0.13	8.1252	-2.0272	0.3636	-0.5408	0.0732	-0.4858	0.2538	-0.7396	-0.2495	
67	38.52	0.02	8.1568	-2.0788	0.2831	-0.3050	0.0340	-0.4673	0.2509	-0.7183	-0.2549	
68	38.73	0.02	8.2773	-2.1903	0.3339	-0.5589	0.0868	-0.4686	0.2606	-0.7293	-0.2646	
69	38.96	0.04	8.4436	-2.2257	0.4705	-0.6198	0.1135	-0.5067	0.2534	-0.7601	-0.2636	
70	39.18	0.03	8.5742	-2.3418	0.4099	-0.4950	0.1202	-0.5093	0.2563	-0.7656	-0.2731	
71	39.40	0.04	8.6292	-2.5754	0.4922	-0.2861	0.1585	-0.4896	0.2648	-0.7544	-0.2985	
72	39.61	0.02	8.7347	-2.3522	0.3433	-0.2366	0.0942	-0.5125	0.2660	-0.7745	-0.2693	
73	39.83	0.02	8.9076	-2.5128	0.2861	0.2798	0.1186	-0.5327	0.2626	-0.7953	-0.2821	
74	40.03	0.03	8.9542	-2.4060	0.4040	-0.1036	0.1329	-0.5121	0.2597	-0.7718	-0.2717	
75	40.32	0.03	8.9762	-2.4042	0.3868	0.0929	0.1130	-0.5459	0.2610	-0.8069	-0.2678	
76	40.53	0.03	9.0321	-2.5554	0.3681	-0.0055	0.1136	-0.5485	0.2626	-0.8111	-0.2829	
77	40.75	0.02	9.0813	-2.4203	0.1507	0.3140	0.1325	-0.5505	0.2568	-0.8073	-0.2665	
78	40.94	0.02	9.1723	-2.5399	0.1627	0.5568	0.1577	-0.5398	0.2689	-0.8097	-0.2769	
79	41.16	0.01	9.2555	-2.6462	0.1424	0.4271	0.1066	-0.5521	0.2576	-0.8097	-0.2859	
80	41.36	0.01	9.3492	-2.6701	0.1147	0.4184	0.1070	-0.5723	0.2656	-0.8379	-0.2856	
81	41.56	0.00	9.4862	-2.6979	0.0896	0.7438	0.0932	-0.5844	0.2676	-0.8520	-0.2844	
82	41.75	0.02	9.4639	-2.8073	0.2050	0.8551	0.1119	-0.5822	0.2693	-0.8515	-0.2966	
83	41.96	0.02	9.6236	-2.8254	0.2936	0.4353	0.0943	-0.5564	0.2575	-0.8439	-0.2936	
84	42.15	0.00	9.6255	-2.9004	0.0959	0.3203	0.0822	-0.5978	0.2639	-0.8617	-0.3013	
85	42.33	-0.02	9.7343	-2.9212	-0.1546	0.5201	0.1019	-0.5908	0.2580	-0.8498	-0.3001	
86	42.52	0.01	9.8780	-2.9279	0.1088	0.8508	0.1264	-0.5935	0.2739	-0.8675	-0.2964	
87	42.70	0.02	9.8697	-2.9645	0.2859	0.2795	0.1218	-0.6054	0.2605	-0.8650	-0.3004	
88	42.87	0.01	9.9249	-3.0303	0.2387	-0.3310	0.0594	-0.6227	0.2563	-0.8701	-0.3053	
89	43.04	0.02	9.9532	-3.0220	0.3592	-0.1576	0.0783	-0.6165	0.2605	-0.8771	-0.3036	
90	43.24	0.03	10.2090	-3.1572	0.4764	-0.3024	0.0730	-0.6366	0.2638	-0.9005	-0.3093	
91	43.43	0.01	10.1629	-3.0639	0.1874	0.7771	0.1276	-0.6108	0.2735	-0.8844	-0.3015	
92	43.61	-0.01	10.2220	-3.1114	-0.0043	0.5078	0.0904	-0.6208	0.2743	-0.8952	-0.3044	

PAGE 1 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			MACH	REX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7			157	0.90	1.7	0.0	81WOF31	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CM	CLM	CY	CLN	CLL	CA	CAB	CAP	XCP		
93	43.77	-0.01	10.3393	-3.2505	0.0974	0.3417	0.1237	-0.6275	0.2713	-0.8989	-0.3144		
94	43.97	-0.00	10.4275	-3.2983	0.3656	-0.3379	0.0736	-0.6344	0.2676	-0.9021	-0.3163		
95	44.15	-0.01	10.5772	-3.2147	0.1707	0.4350	0.1306	-0.6078	0.2701	-0.8780	-0.3039		
96	44.33	-0.01	10.5667	-3.2980	0.2046	0.2874	0.1245	-0.6346	0.2768	-0.9115	-0.3121		
97	44.52	0.01	10.6487	-3.2645	0.5281	-0.3869	0.1204	-0.6349	0.2676	-0.9026	-0.3066		
98	44.72	-0.02	10.9157	-3.5372	-0.1193	2.0481	0.1317	-0.6164	0.2982	-0.9146	-0.3270		
99	44.91	-0.01	10.8295	-3.5220	0.2077	0.6322	0.0915	-0.6571	0.2751	-0.9323	-0.3234		
100	45.06	-0.03	10.8027	-3.2627	-0.0925	0.9381	0.0715	-0.6180	0.2792	-0.8973	-0.3020		
101	45.25	-0.03	10.9519	-3.5191	-0.1677	1.0777	0.0778	-0.6560	0.2796	-0.9357	-0.3213		
102	45.44	0.02	10.9717	-3.3448	0.4125	0.6239	0.0732	-0.6282	0.2793	-0.9076	-0.3049		
103	45.61	-0.02	11.1122	-3.5216	-0.0200	1.0203	0.0599	-0.6742	0.2801	-0.9543	-0.3169		
104	45.77	-0.03	11.1612	-3.5227	0.0028	0.3735	0.0497	-0.6715	0.2742	-0.9458	-0.3156		
105	45.95	0.01	11.2575	-3.6699	0.2666	1.8175	0.0503	-0.6273	0.2995	-0.9268	-0.3260		
106	46.13	-0.05	11.3101	-3.5600	-0.3397	1.4951	0.0400	-0.6580	0.2842	-0.9423	-0.3148		
107	46.32	0.02	11.4213	-3.6707	0.4179	0.7365	0.0161	-0.6401	0.2846	-0.9248	-0.3214		
108	46.49	-0.04	11.5789	-3.8588	-0.3300	2.2242	0.0444	-0.6621	0.2981	-0.9602	-0.3333		
109	46.66	-0.04	11.5442	-3.7271	-0.3475	2.1625	0.0382	-0.6494	0.3044	-0.9538	-0.3229		
110	46.84	-0.00	11.6285	-3.7314	0.0694	1.9911	0.0449	-0.6420	0.3028	-0.9448	-0.3209		
111	47.02	-0.02	11.7615	-3.9873	-0.2130	1.8362	0.0593	-0.6645	0.3044	-0.9689	-0.3309		
112	47.19	-0.01	11.8142	-3.7088	0.0175	1.7700	0.0595	-0.6596	0.3002	-0.9598	-0.3139		
113	47.37	-0.02	11.9861	-4.1343	-0.2021	2.5925	0.0569	-0.6956	0.3165	-1.0120	-0.3449		
114	47.56	-0.01	11.9970	-3.7344	-0.1686	2.9903	0.0430	-0.6390	0.3241	-0.9631	-0.3113		
115	47.72	-0.01	12.0312	-3.9931	-0.0315	2.1774	0.0716	-0.6851	0.3178	-1.0028	-0.3319		
116	47.88	-0.02	12.0844	-3.9524	-0.0522	2.8403	0.0758	-0.6343	0.3390	-0.9733	-0.3271		
117	48.07	-0.05	12.2073	-3.8851	-0.5551	3.1984	0.0371	-0.6624	0.3562	-0.9986	-0.3183		
118	48.24	-0.05	12.2596	-4.0971	-0.6497	3.7740	-0.0036	-0.6193	0.3729	-0.9922	-0.3342		
119	48.40	-0.02	12.2673	-4.0488	-0.3212	3.4719	-0.0095	-0.6447	0.3518	-0.9965	-0.3301		
120	48.58	-0.02	12.3615	-4.0747	-0.2022	3.3947	-0.0025	-0.6052	0.3681	-0.9733	-0.3296		
121	48.74	-0.01	12.4403	-4.1566	-0.2223	3.7682	-0.1066	-0.5487	0.3945	-0.9432	-0.3341		
122	48.91	-0.02	12.4634	-4.2261	-0.3440	3.8071	-0.1132	-0.5687	0.3839	-0.9526	-0.3391		
123	49.09	-0.01	12.5878	-4.4853	-0.1431	3.4289	-0.1374	-0.5879	0.3961	-0.9840	-0.3563		
124	49.25	-0.01	12.6131	-4.6752	-0.0497	3.3877	-0.1566	-0.5125	0.4257	-0.9382	-0.3707		
125	49.45	0.08	12.9643	-5.0422	0.9276	2.7618	-0.1034	-0.5427	0.4408	-0.9835	-0.3889		
126	49.65	0.03	13.0943	-5.1616	0.4837	2.6079	-0.0887	-0.5387	0.4535	-0.9922	-0.3942		
127	49.83	0.07	13.2496	-5.4502	0.7614	2.7319	-0.0635	-0.5220	0.4627	-0.9847	-0.4113		
128	49.99	0.04	13.2530	-5.6477	0.6493	2.9694	-0.0512	-0.4813	0.4844	-0.9658	-0.4261		
129	50.18	-0.03	13.7595	-6.6541	-0.2802	3.9139	-0.1999	-0.5493	0.4582	-1.0075	-0.4836		
130	50.38	-0.00	13.8879	-6.5700	0.0307	3.8731	-0.1806	-0.5804	0.4610	-1.0414	-0.4731		
131	50.55	0.02	14.0538	-6.7602	0.2542	3.7096	-0.1992	-0.5854	0.4622	-1.0476	-0.4810		
132	50.72	0.02	14.0325	-6.7580	0.2790	3.6626	-0.2054	-0.5687	0.4608	-1.0295	-0.4810		
133	50.88	-0.03	14.1322	-6.8134	-0.1949	3.4424	-0.2032	-0.5386	0.4725	-1.0111	-0.4821		
134	51.05	0.03	14.1794	-6.9500	0.4447	3.7123	-0.1991	-0.5875	0.4770	-1.0646	-0.4901		
135	51.23	-0.00	14.2907	-7.0466	0.1634	3.5299	-0.2166	-0.5274	0.4903	-1.0176	-0.4931		
136	51.42	0.02	14.6560	-7.4466	0.3903	3.1842	-0.2014	-0.5458	0.5123	-1.0581	-0.5081		
137	51.60	0.00	14.8517	-7.3790	0.2249	2.8808	-0.1670	-0.5063	0.5318	-1.0380	-0.4968		
138	51.77	0.03	14.9332	-7.5695	0.5419	2.7189	-0.1348	-0.5064	0.5292	-1.0355	-0.5069		

PAGE 1 OF 3
SHEET 4 OF 8

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	NACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	157	0.90	1.7	0.0	BINOF31	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CY	CLM	CLL	CA	CAB	CAF	XCP
139	51.92	0.02	14.8087	-7.5023	0.4365	2.7943	-0.1159	-0.4614	0.5249	-0.9853	-0.5066
140	52.10	0.02	14.7623	-7.4656	0.5051	2.8093	-0.1162	-0.4596	0.5253	-0.9849	-0.5057
141	52.28	0.03	15.0300	-7.6120	0.5773	2.8904	-0.1159	-0.5078	0.5249	-1.0326	-0.5065
142	52.43	0.04	14.8723	-7.6113	0.6752	2.6838	-0.1094	-0.4913	0.5232	-1.0144	-0.5118
143	52.59	0.06	14.9280	-7.7275	0.9289	2.8401	-0.1171	-0.5250	0.5248	-1.0497	-0.5177
144	52.76	0.04	14.9672	-7.7313	0.6794	3.0220	-0.1104	-0.4918	0.5201	-1.0179	-0.5165
145	52.94	0.03	15.0249	-7.5188	0.5264	2.9603	-0.1225	-0.4909	0.5281	-1.0189	-0.5204
146	53.10	0.04	15.0477	-7.8342	0.7116	2.5919	-0.1215	-0.5377	0.5302	-1.0679	-0.5206
147	53.27	0.06	15.0686	-7.9180	0.9195	2.4371	-0.1273	-0.5091	0.5388	-1.0478	-0.5255
148	53.43	0.03	15.0924	-7.8352	0.6896	2.4399	-0.1076	-0.4706	0.5454	-1.0160	-0.5191
149	53.59	0.03	15.1508	-7.9404	0.7436	2.4240	-0.1268	-0.5045	0.5450	-1.0494	-0.5261
150	53.76	0.03	15.2065	-8.0739	0.6853	2.3417	-0.1327	-0.5102	0.5430	-1.0531	-0.5310
151	53.90	0.03	15.2616	-8.0543	0.5870	2.5479	-0.1203	-0.5218	0.5451	-1.0669	-0.5278
152	54.06	0.04	15.2890	-8.0343	0.7382	2.3637	-0.1193	-0.4795	0.5590	-1.0395	-0.5255
153	54.22	0.01	15.3392	-8.1563	0.4453	2.4290	-0.1321	-0.5067	0.5639	-1.0706	-0.5317
154	54.38	0.04	15.3551	-7.9554	0.8220	2.3828	-0.0811	-0.5094	0.5660	-1.0754	-0.5181
155	54.52	0.03	15.2085	-7.8763	0.6360	2.1729	-0.0934	-0.5039	0.5618	-1.0657	-0.5179
156	54.69	0.03	15.3423	-8.0855	0.6690	2.0054	-0.1246	-0.5327	0.5631	-1.0958	-0.5270
157	54.85	0.00	15.5053	-8.1187	0.4137	2.3362	-0.1056	-0.5162	0.5627	-1.0789	-0.5236
158	55.00	0.01	15.5408	-8.1601	0.5000	2.1636	-0.1049	-0.5022	0.5727	-1.0749	-0.5251
159	55.15	-0.01	15.5295	-8.0886	0.3353	2.1450	-0.0532	-0.5100	0.5591	-1.0691	-0.5209
160	55.32	0.01	15.6371	-8.0928	0.5743	2.0247	-0.0846	-0.5294	0.5731	-1.1025	-0.5175
161	55.46	-0.01	15.6099	-7.9873	0.3616	2.1234	-0.0337	-0.5379	0.5649	-1.1028	-0.5117
162	55.62	-0.00	15.5365	-7.9643	0.4234	1.7407	-0.0388	-0.5263	0.5673	-1.0936	-0.5126
163	55.77	0.02	15.4416	-7.9067	0.6428	1.7862	-0.0269	-0.5505	0.5660	-1.1165	-0.5120
164	55.93	-0.00	15.6495	-8.0824	0.4444	1.8922	-0.0200	-0.5618	0.5723	-1.1341	-0.5165
165	56.09	-0.01	15.6814	-8.0814	0.3294	1.7514	-0.0256	-0.5826	0.5689	-1.1515	-0.5153
166	56.23	0.02	15.6172	-7.9859	0.6754	1.6098	-0.0130	-0.5577	0.5724	-1.1301	-0.5114
167	56.38	-0.01	15.5625	-8.0955	0.4102	1.7439	-0.0133	-0.5693	0.5670	-1.1363	-0.5202
168	56.55	-0.03	15.6439	-8.0606	0.1291	1.5636	-0.0115	-0.5557	0.5674	-1.1731	-0.5139
169	56.69	-0.06	15.7328	-8.0600	-0.0264	1.7203	0.0012	-0.5564	0.5741	-1.1305	-0.5123
170	56.85	0.01	15.6930	-8.0477	0.6923	1.3897	0.0137	-0.5705	0.5791	-1.1436	-0.5128
171	57.01	-0.01	15.8590	-8.0021	0.3467	1.5534	0.0144	-0.5910	0.5775	-1.1655	-0.5046
172	57.14	-0.03	15.5893	-7.7732	0.2006	1.3564	0.0404	-0.5618	0.5833	-1.1451	-0.4986
173	57.31	-0.02	15.8057	-7.8639	0.3890	1.3061	0.0408	-0.6116	0.5696	-1.1812	-0.4975
174	57.43	-0.04	15.6934	-7.7718	0.2332	1.1885	0.0285	-0.5917	0.5712	-1.1629	-0.4952
175	57.60	-0.09	15.8688	-8.8518	-0.1114	-0.0002	-0.0039	-0.7438	0.4939	-1.2376	-0.4318
176	57.74	-0.14	15.7902	-7.3953	-0.7297	-0.2276	-0.0693	-0.6877	0.5080	-1.1956	-0.4683
177	57.88	-0.12	15.8260	-7.6405	-0.5489	-0.3864	-0.0624	-0.6575	0.5550	-1.2125	-0.4828
178	58.02	-0.13	15.7800	-7.8307	-0.7388	-0.5358	-0.0692	-0.5854	0.6025	-1.1879	-0.4962
179	58.17	-0.13	15.8572	-7.9154	-0.5417	-0.8450	-0.0301	-0.6067	0.6065	-1.2132	-0.4992
180	58.22	-0.15	15.9630	-7.9967	-0.7088	-0.6796	-0.0430	-0.6169	0.6077	-1.2246	-0.5010
181	58.21	-0.13	15.8418	-7.9506	-0.6871	-0.9595	-0.0301	-0.5793	0.6173	-1.1966	-0.5019
182	58.22	-0.09	15.9232	-7.9189	-0.1558	-1.0407	-0.0420	-0.5965	0.6102	-1.2067	-0.4973
183	58.23	-0.13	15.8999	-7.8691	-0.5695	-0.6526	-0.0365	-0.6089	0.6193	-1.2282	-0.4949
184	58.22	-0.13	15.9509	-7.9725	-0.6057	-0.7766	-0.0299	-0.5891	0.6143	-1.2034	-0.4998

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 157 0.90 1.7 0.0 81WOF31 0.0 0 -20 0 -20 UNKNOWN

POINT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAP	KCP
185	58.22	-0.14	15.8566	-7.9142	-0.5884	-0.9277	-0.0428	-0.5795	0.6195	-1.1950	-0.4991
186	58.22	-0.14	15.9017	-8.0369	-0.6196	-0.6683	-0.0306	-0.5817	0.6181	-1.1998	-0.5054

PAGE 2 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 157 0.90 1.7 0.0 31WOF31 0.0 0 -20 0 -20 UNKNOWN

POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.82	0.01	0.0062	0.0012	0.0042	0.1935	0.6774	-0.9626	-0.0238	-0.4473	0.0248	0.4647
2	-5.93	-0.01	0.0081	0.0019	0.0054	0.1852	0.6667	-0.9613	-0.0235	-0.4472	0.0245	0.4652
3	-5.83	-0.01	0.0030	0.0007	0.0032	0.2333	1.0667	-0.9642	-0.0238	-0.4487	0.0247	0.4654
4	-5.91	-0.01	0.0073	0.0018	0.0054	0.2466	0.7397	-0.9539	-0.0234	-0.4433	0.0246	0.4648
5	-4.86	-0.01	0.0050	0.0010	0.0032	0.2000	0.6400	-0.8678	-0.0236	-0.4107	0.0273	0.4733
6	-3.11	-0.00	0.0023	0.0008	0.0025	0.3478	1.0870	-0.7772	-0.0210	-0.3755	0.0271	0.4831
7	-1.41	-0.01	0.0084	0.0013	0.0033	0.1548	0.3929	-0.6777	-0.0194	-0.3367	0.0287	0.4968
8	0.38	-0.01	0.0104	0.0014	0.0036	0.1346	0.3462	-0.5749	-0.0173	-0.2949	0.0302	0.5130
9	2.13	-0.01	0.0120	0.0007	0.0032	0.0583	0.2667	-0.4783	-0.0177	-0.2497	0.0371	0.5221
10	3.91	-0.01	0.0113	0.0007	0.0031	0.0619	0.2743	-0.3855	-0.0142	-0.2030	0.0369	0.5266
11	5.70	-0.01	0.0104	0.0005	0.0051	0.0491	0.4904	-0.3055	-0.0107	-0.1582	0.0351	0.5179
12	7.55	-0.01	0.0074	0.0006	0.0066	0.0811	0.8919	-0.2266	-0.0080	-0.1211	0.0354	0.5347
13	9.31	-0.01	0.0047	0.0007	0.0057	0.1489	1.2128	-0.1494	-0.0062	-0.0831	0.0416	0.5560
14	11.18	-0.01	0.0061	0.0006	0.0058	0.0984	0.9508	-0.0745	-0.0037	-0.0431	0.0498	0.5787
15	12.98	-0.01	0.0009	0.0001	0.0040	0.1111	4.4444	-0.0240	-0.0009	-0.0216	0.0375	0.9000
16	14.83	-0.02	-0.0044	-0.0008	0.0034	0.1818	-0.7727	0.0050	0.0055	-0.0098	1.1000	-1.9600
17	16.73	-0.02	-0.0011	-0.0006	0.0103	0.5455	-9.3636	0.0238	0.0141	-0.0034	0.5924	-0.1429
18	18.62	-0.03	-0.0033	-0.0022	0.0042	0.1654	0.3158	0.0565	0.0214	0.0110	0.3794	0.1950
19	20.50	-0.04	-0.0151	-0.0037	0.0101	0.2450	-0.6689	0.0992	0.0281	0.0289	0.2828	0.2909
20	22.38	-0.03	-0.0285	-0.0059	0.0083	0.2077	-0.2923	0.1378	0.0328	0.0462	0.2378	0.3353
21	24.25	-0.05	-0.0802	-0.0069	-0.0101	0.0862	0.1262	0.1733	0.0378	0.0623	0.2180	0.3597
22	26.17	-0.05	-0.1115	-0.0019	-0.0373	0.0090	0.3342	0.2372	0.0423	0.0907	0.1783	0.3823
23	27.89	0.03	0.1324	0.0034	0.0626	0.0257	0.4731	0.3639	0.0447	0.1486	0.1228	0.4083
24	27.90	0.02	0.1648	0.0037	0.0813	0.0225	0.4930	0.3640	0.0443	0.1492	0.1217	0.4099
25	27.90	0.01	0.0975	0.0027	0.0538	0.0277	0.5519	0.3495	0.0442	0.1421	0.1264	0.4065
26	27.90	0.01	0.1338	0.0043	0.0649	0.0322	0.4854	0.3531	0.0443	0.1430	0.1254	0.4072
27	28.21	0.02	0.2014	0.0059	0.0969	0.0294	0.4811	0.3846	0.0449	0.1610	0.1167	0.4187
28	28.48	0.04	0.1895	0.0052	0.0896	0.0275	0.4728	0.3972	0.0454	0.1666	0.1143	0.4195
29	28.81	0.05	0.2391	0.0059	0.1117	0.0247	0.4673	0.4122	0.0454	0.1770	0.1101	0.4293
30	29.12	0.05	0.2029	0.0063	0.0959	0.0311	0.4726	0.4160	0.0460	0.1764	0.1106	0.4240
31	29.40	0.05	0.2183	0.0114	0.1055	0.0523	0.4832	0.4261	0.0472	0.1828	0.1108	0.4290
32	29.68	0.07	0.2234	0.0128	0.1082	0.0574	0.4845	0.4285	0.0472	0.1824	0.1101	0.4258
33	29.98	0.06	0.2492	0.0144	0.1176	0.0579	0.4721	0.4457	0.0475	0.1918	0.1072	0.4303
34	30.25	0.09	0.2588	0.0162	0.1225	0.0627	0.4731	0.4562	0.0481	0.1967	0.1054	0.4311
35	30.52	0.07	0.2892	0.0258	0.1292	0.0891	0.4466	0.4720	0.0489	0.2042	0.1036	0.4327
36	30.80	0.09	0.3044	0.0309	0.1363	0.1014	0.4477	0.4794	0.0492	0.2079	0.1026	0.4337
37	31.08	0.09	0.3265	0.0324	0.1432	0.0991	0.4386	0.4991	0.0491	0.2177	0.0984	0.4363
38	31.35	0.09	0.2755	0.0264	0.1227	0.0957	0.4453	0.4854	0.0498	0.2097	0.1026	0.4321
39	31.62	0.07	0.2755	0.0273	0.1211	0.0989	0.4398	0.4945	0.0498	0.2135	0.1007	0.4318
40	31.90	0.09	0.2882	0.0277	0.1251	0.0960	0.4339	0.5080	0.0500	0.2195	0.0984	0.4321
41	32.17	0.09	0.3145	0.0259	0.1359	0.0822	0.4320	0.5346	0.0498	0.2330	0.0932	0.4358
42	32.44	0.09	0.3427	0.0285	0.1490	0.0830	0.4348	0.5520	0.0494	0.2408	0.0895	0.4362
43	32.70	0.10	0.3374	0.0303	0.1436	0.0897	0.4256	0.5497	0.0496	0.2358	0.0902	0.4344
44	32.96	0.10	0.3537	0.0273	0.1513	0.0771	0.4278	0.5672	0.0496	0.2475	0.0875	0.4364
45	33.20	0.09	0.3544	0.0232	0.1515	0.0656	0.4275	0.5816	0.0491	0.2547	0.0844	0.4386
46	33.48	0.10	0.3314	0.0262	0.1418	0.0789	0.4279	0.5784	0.0500	0.2506	0.0865	0.4333

PAGE 2 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI CONF		L		DEL1	DEL2	DEL3	DEL4	TRANSITION
7 137 0.90 1.7				0.0 81WOF31		0.0		0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	33.72	0.08	0.3130	0.0241	0.1352	0.0771	0.4318	0.5724	0.0501	0.2477	0.0875	0.4328
48	33.95	0.08	0.3000	0.0223	0.1298	0.0745	0.4325	0.5783	0.0505	0.2507	0.0873	0.4335
49	34.23	0.06	0.2674	0.0186	0.1157	0.0697	0.4327	0.5676	0.0510	0.2462	0.0899	0.4338
50	34.48	0.06	0.2637	0.0124	0.1207	0.0471	0.4578	0.5692	0.0507	0.2457	0.0891	0.4317
51	34.70	0.04	0.2469	0.0134	0.1086	0.0544	0.4399	0.5736	0.0513	0.2479	0.0894	0.4322
52	34.96	0.03	0.2241	0.0047	0.1025	0.0210	0.4575	0.5737	0.0511	0.2470	0.0891	0.4306
53	35.19	0.05	0.2001	0.0059	0.0915	0.0295	0.4572	0.5660	0.0517	0.2431	0.0914	0.4295
54	35.42	0.03	0.0683	-0.0008	0.0249	-0.0117	0.3636	0.5594	0.0509	0.2391	0.0910	0.4274
55	35.67	0.02	0.0010	-0.0006	-0.0072	-0.0000	-7.2000	0.5677	0.0510	0.2438	0.0898	0.4295
56	35.90	-0.00	-0.0042	-0.0001	-0.0168	0.0238	4.0000	0.5714	0.0515	0.2444	0.0901	0.4277
57	36.13	0.03	0.1260	0.0028	0.0569	0.0223	0.4519	0.5788	0.0519	0.2487	0.0897	0.4297
58	36.38	0.03	0.0127	0.0013	-0.0033	0.1024	-0.2598	0.5728	0.0518	0.2455	0.0904	0.4286
59	36.61	0.02	0.0580	0.0039	0.0170	0.0674	0.2936	0.5817	0.0523	0.2493	0.0899	0.4286
60	36.85	0.02	0.0819	0.0053	0.0313	0.0649	0.3819	0.5868	0.0529	0.2513	0.0902	0.4283
61	37.09	0.04	0.0657	0.0041	0.0262	0.0625	0.3979	0.5918	0.0530	0.2529	0.0896	0.4274
62	37.32	0.01	0.0310	0.0036	0.0040	0.1165	0.1294	0.5935	0.0527	0.2536	0.0888	0.4273
63	37.57	0.04	0.0726	0.0042	0.0273	0.0579	0.3752	0.5978	0.0533	0.2550	0.0892	0.4266
64	37.81	0.02	0.1143	0.0081	0.0452	0.0710	0.3953	0.6080	0.0546	0.2593	0.0898	0.4265
65	38.06	0.03	0.1080	0.0059	0.0433	0.0547	0.4307	0.6181	0.0542	0.2634	0.0877	0.4262
66	38.27	-0.13	0.0825	0.0027	0.0285	0.0328	0.3451	0.6236	0.0535	0.2653	0.0858	0.4255
67	38.52	0.02	0.0554	0.0014	0.0122	0.0253	0.2206	0.6343	0.0525	0.2710	0.0829	0.4272
68	38.73	0.02	0.0629	0.0022	0.0176	0.0350	0.2903	0.6395	0.0530	0.2721	0.0829	0.4254
69	38.96	0.04	0.1144	0.0050	0.0494	0.0438	0.4317	0.6377	0.0545	0.2706	0.0855	0.4243
70	39.18	0.03	0.1196	0.0056	0.0513	0.0469	0.4288	0.6397	0.0553	0.2706	0.0865	0.4229
71	39.40	0.04	0.1533	0.0138	0.0663	0.0902	0.4327	0.6353	0.0579	0.2671	0.0912	0.4208
72	39.61	0.02	0.0702	0.0047	0.0226	0.0670	0.3224	0.6511	0.0550	0.2754	0.0845	0.4229
73	39.83	0.02	0.0918	0.0119	0.0344	0.1299	0.3745	0.6424	0.0585	0.2677	0.0911	0.4188
74	40.03	0.03	0.1156	0.0138	0.0471	0.1196	0.4073	0.6362	0.0592	0.2654	0.0931	0.4172
75	40.32	0.03	0.0776	0.0099	0.0287	0.1279	0.3695	0.6410	0.0589	0.2678	0.0905	0.4179
76	40.53	0.03	0.0915	0.0096	0.0346	0.1051	0.3779	0.6495	0.0573	0.2713	0.0882	0.4176
77	40.75	0.02	0.0787	0.0098	0.0309	0.1248	0.3924	0.6441	0.0579	0.2684	0.0899	0.4168
78	40.94	0.02	0.0791	0.0123	0.0299	0.1559	0.3177	0.6483	0.0594	0.2693	0.0917	0.4153
79	41.16	0.01	0.0620	0.0078	0.0217	0.1260	0.3506	0.6656	0.0568	0.2777	0.0854	0.4172
80	41.36	0.01	0.0589	0.0107	0.0204	0.1820	0.3469	0.6583	0.0585	0.2742	0.0889	0.4164
81	41.56	0.00	0.0357	0.0064	0.0061	0.1798	0.1713	0.6839	0.0559	0.2866	0.0818	0.4198
82	41.75	0.02	0.0535	0.0124	0.0162	0.2322	0.3034	0.6641	0.0597	0.2758	0.0899	0.4153
83	41.96	0.02	0.0622	0.0106	0.0207	0.1707	0.3333	0.6793	0.0577	0.2825	0.0850	0.4158
84	42.15	0.00	0.0602	0.0102	0.0210	0.1637	0.3494	0.6754	0.0582	0.2816	0.0862	0.4169
85	42.33	-0.02	0.0585	0.0063	0.0176	0.1079	0.3014	0.7041	0.0545	0.2944	0.0774	0.4181
86	42.52	0.01	0.0516	0.0142	0.0176	0.2757	0.3417	0.6627	0.0607	0.2757	0.0916	0.4160
87	42.70	0.02	0.0803	0.0088	0.0296	0.1099	0.3683	0.7055	0.0556	0.2929	0.0788	0.4151
88	42.87	0.01	0.0690	0.0088	0.0249	0.1277	0.3599	0.7071	0.0552	0.2935	0.0781	0.4150
89	43.04	0.02	0.0685	0.0085	0.0240	0.1243	0.3589	0.7025	0.0555	0.2911	0.0790	0.4143
90	43.24	0.03	0.0630	0.0083	0.0196	0.1386	0.3272	0.7192	0.0550	0.2997	0.0765	0.4167
91	43.43	0.01	0.0348	0.0131	0.0091	0.3775	0.2622	0.6726	0.0607	0.2756	0.0903	0.4097
92	43.61	-0.01	0.0626	0.0102	0.0195	0.1632	0.3120	0.7077	0.0568	0.2941	0.0803	0.4155

PAGE 2 OF 3
SHEET 3 OF 8

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	157	0.90	1.7	0.0	81W0F31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	C81	XCPF1	YCPF1	CNF2	CH2	CH2	XCPF2	YCPF2
93	43.77	-0.01	0.0877	0.0109	0.0292	0.1246	0.3326	0.7200	0.0563	0.2975	0.0782	0.4132
94	43.97	-0.00	0.0583	0.0138	0.0203	0.2371	0.3468	0.7051	0.0589	0.2869	0.0836	0.4068
95	44.15	-0.01	0.0531	0.0146	0.0167	0.2755	0.3151	0.6963	0.0608	0.2833	0.0874	0.4068
96	44.33	-0.01	0.0662	0.0118	0.0218	0.1785	0.3298	0.7153	0.0576	0.2930	0.0806	0.4096
97	44.52	0.01	0.0640	0.0161	0.0221	0.2520	0.3459	0.7087	0.0599	0.2879	0.0846	0.4062
98	44.72	-0.02	-0.0406	0.0180	-0.0295	-0.4444	0.7259	0.6737	0.0648	0.2734	0.0962	0.4058
99	44.91	-0.01	0.0152	0.0144	-0.0039	0.9474	-0.2566	0.7151	0.0595	0.2910	0.0832	0.4070
100	45.06	-0.03	-0.0017	0.0139	-0.0120	-8.1765	7.0588	0.7089	0.0603	0.2882	0.0851	0.4068
101	45.25	-0.03	-0.0463	0.0167	-0.0322	-0.3615	0.6948	0.6877	0.0635	0.2771	0.0924	0.4029
102	45.44	0.02	0.0156	0.0119	-0.0086	0.7628	-0.5513	0.7374	0.0580	0.2972	0.0787	0.4030
103	45.61	-0.02	-0.0026	0.0129	-0.0147	-4.9615	5.6538	0.7299	0.0590	0.2968	0.0809	0.4066
104	45.77	-0.03	-0.0306	0.0121	-0.0241	-0.3967	0.7902	0.7282	0.0602	0.2919	0.0827	0.4009
105	45.95	0.01	-0.0893	0.0163	-0.0508	-0.1529	0.5690	0.6905	0.0656	0.2755	0.0951	0.3989
106	46.13	-0.05	-0.0496	0.0110	-0.0369	-0.2222	0.7434	0.7318	0.0607	0.2950	0.0839	0.4031
107	46.32	0.02	-0.0293	0.0130	-0.0318	-0.4377	1.0673	0.7435	0.0604	0.2962	0.0813	0.3984
108	46.49	-0.04	-0.1453	0.0143	-0.0768	-0.0956	0.5283	0.6844	0.0678	0.2689	0.0991	0.3928
109	46.66	-0.04	-0.0825	0.0130	-0.0504	-0.1580	0.6112	0.7213	0.0634	0.2865	0.0879	0.3972
110	46.84	-0.00	-0.0455	0.0139	-0.0353	-0.3062	0.7753	0.7349	0.0630	0.2915	0.0858	0.3966
111	47.02	-0.02	0.0086	0.0150	-0.0127	1.7442	-1.4767	0.7545	0.0612	0.2943	0.0811	0.3954
112	47.19	-0.01	-0.0818	0.0153	-0.0526	-0.1875	0.6434	0.7138	0.0649	0.2794	0.0910	0.3914
113	47.37	-0.02	-0.1663	0.0132	-0.0865	-0.0795	0.5199	0.6725	0.0710	0.2593	0.1056	0.3856
114	47.56	-0.01	-0.0987	0.0179	-0.0664	-0.1817	0.6731	0.6967	0.0678	0.2704	0.0974	0.3880
115	47.72	-0.01	-0.1107	0.0164	-0.0628	-0.1484	0.5674	0.7035	0.0678	0.2728	0.0964	0.3877
116	47.88	-0.00	-0.1053	0.0171	-0.0610	-0.1627	0.5794	0.7019	0.0691	0.2725	0.0985	0.3882
117	48.07	-0.05	-0.1174	0.0144	-0.0657	-0.1229	0.5597	0.7022	0.0680	0.2727	0.0969	0.3883
118	48.24	-0.05	-0.1898	0.0145	-0.0991	-0.0766	0.5222	0.6756	0.0723	0.2582	0.1071	0.3822
119	48.40	-0.02	-0.2021	0.0072	-0.1034	-0.0357	0.5117	0.7100	0.0683	0.2753	0.0963	0.3891
120	48.58	-0.02	-0.2154	0.0062	-0.1060	-0.0258	0.4921	0.7058	0.0697	0.2729	0.0988	0.3864
121	48.74	-0.01	-0.2137	-0.0002	-0.1021	0.0009	0.4777	0.7300	0.0673	0.2844	0.0922	0.3896
122	48.91	-0.02	-0.2155	-0.0046	-0.1060	0.0214	0.4919	0.7559	0.0639	0.2985	0.0844	0.3949
123	49.09	-0.01	-0.1663	-0.0089	-0.0801	0.0536	0.4813	0.8157	0.0596	0.3276	0.0731	0.4016
124	49.25	-0.01	-0.1636	-0.0109	-0.0837	0.0595	0.4558	0.7990	0.0604	0.3177	0.0756	0.3975
125	49.45	0.08	-0.1255	-0.0061	-0.0608	0.0487	0.4848	0.8152	0.0580	0.3158	0.0712	0.3875
126	49.65	0.03	-0.1030	-0.0048	-0.0502	0.0467	0.4874	0.7973	0.0577	0.2991	0.0724	0.3751
127	49.83	0.07	-0.0928	-0.0057	-0.0399	0.0616	0.4298	0.7856	0.0580	0.2903	0.0739	0.3695
128	49.99	0.04	-0.0584	-0.0001	-0.0240	0.0017	0.4117	0.7832	0.0614	0.2928	0.0784	0.3738
129	50.18	-0.03	-0.1972	-0.0374	-0.0746	0.1895	0.3780	0.8364	0.0567	0.3237	0.0678	0.3870
130	50.38	-0.00	-0.1940	-0.0332	-0.0696	0.1803	0.3785	0.8392	0.0574	0.3210	0.0684	0.3824
131	50.55	0.02	-0.1875	-0.0358	-0.0707	0.1908	0.3773	0.8658	0.0558	0.3323	0.0645	0.3938
132	50.72	0.02	-0.1784	-0.0389	-0.0679	0.2180	0.3809	0.8806	0.0553	0.3405	0.0628	0.3567
133	50.88	-0.01	-0.1524	-0.0370	-0.0576	0.2426	0.3780	0.8845	0.0550	0.3393	0.0622	0.3836
134	51.05	0.03	-0.1565	-0.0382	-0.0611	0.2439	0.3905	0.8878	0.0536	0.3379	0.0604	0.3806
135	51.23	-0.00	-0.1429	-0.0394	-0.0526	0.2756	0.3682	0.8957	0.0521	0.3408	0.0582	0.3803
136	51.42	0.02	-0.1052	-0.0361	-0.0372	0.3429	0.3533	0.9056	0.0493	0.3400	0.0544	0.3755
137	51.60	0.00	-0.0730	-0.0295	-0.0290	0.4033	0.3964	0.8880	0.0488	0.3295	0.0558	0.3710
138	51.77	0.03	-0.0313	-0.0223	-0.0156	0.7147	0.5000	0.8670	0.0470	0.3134	0.0542	0.3615

PAGE 2 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 157 0.90 1.7				0.0	B1W0F31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CM1	C81	KCPF1	YCPF1	CNF2	CM2	CB2	KCPF2	YCPF2
139	51.92	0.02	-0.0576	-0.0265	-0.0241	0.4591	0.4191	0.8595	0.0497	0.3119	0.0578	0.3629
140	52.10	0.02	-0.0530	-0.0237	-0.0212	0.4480	0.4008	0.8662	0.0487	0.3147	0.0562	0.3634
141	52.28	0.03	-0.0738	-0.0262	-0.0279	0.3546	0.3777	0.9561	0.0509	0.3084	0.0595	0.3603
142	52.43	0.04	-0.0648	-0.0240	-0.0252	0.3709	0.3879	0.8586	0.0520	0.3123	0.0606	0.3638
143	52.59	0.06	-0.0663	-0.0247	-0.0240	0.3716	0.3625	0.8599	0.0524	0.3093	0.0609	0.3597
144	52.76	0.04	-0.0699	-0.0210	-0.0267	0.3009	0.3811	0.9724	0.0525	0.3187	0.0602	0.3653
145	52.94	0.03	-0.0754	-0.0255	-0.0264	0.3378	0.3497	0.8729	0.0514	0.3149	0.0589	0.3608
146	53.10	0.04	-0.0675	-0.0239	-0.0252	0.3546	0.3724	0.8720	0.0518	0.3146	0.0594	0.3608
147	53.27	0.06	-0.0653	-0.0222	-0.0226	0.3405	0.3466	0.8832	0.0490	0.3182	0.0555	0.3602
148	53.43	0.03	-0.0549	-0.0221	-0.0183	0.4033	0.3339	0.8817	0.0486	0.3171	0.0551	0.3597
149	53.59	0.03	-0.0597	-0.0237	-0.0219	0.3977	0.3674	0.8845	0.0467	0.3159	0.0528	0.3572
150	53.76	0.03	-0.0470	-0.0221	-0.0160	0.4712	0.3412	0.8957	0.0464	0.3220	0.0518	0.3594
151	53.90	0.03	-0.0712	-0.0254	-0.0264	0.3558	0.3755	0.9041	0.0459	0.3265	0.0508	0.3611
152	54.06	0.04	-0.0517	-0.0243	-0.0183	0.4709	0.3547	0.9064	0.0427	0.3265	0.0471	0.3602
153	54.22	0.01	-0.0694	-0.0245	-0.0258	0.3521	0.3709	0.9128	0.0433	0.3284	0.0474	0.3598
154	54.38	0.04	-0.0501	-0.0221	-0.0187	0.4420	0.3740	0.8857	0.0422	0.3137	0.0476	0.3542
155	54.52	0.03	-0.0502	-0.0227	-0.0174	0.4531	0.3473	0.8993	0.0429	0.3228	0.0477	0.3589
156	54.69	0.03	-0.0326	-0.0230	-0.0095	0.7077	0.2923	0.9210	0.0427	0.3320	0.0463	0.3605
157	54.85	0.00	-0.0495	-0.0237	-0.0161	0.4798	0.3259	0.9249	0.0424	0.3326	0.0458	0.3596
158	55.00	0.01	-0.0413	-0.0219	-0.0127	0.5316	0.3083	0.9143	0.0400	0.3265	0.0444	0.3571
159	55.15	-0.01	-0.0258	-0.0213	-0.0057	0.8282	0.2218	0.8997	0.0390	0.3215	0.0433	0.3573
160	55.32	0.01	-0.0369	-0.0216	-0.0101	0.5870	0.2745	0.9121	0.0402	0.3259	0.0441	0.3573
161	55.46	-0.01	-0.0176	-0.0177	-0.0041	1.0057	0.2330	0.8913	0.0391	0.3169	0.0438	0.3556
162	55.62	-0.00	-0.0096	-0.0161	0.0007	1.6771	-0.0729	0.8914	0.0390	0.3159	0.0437	0.3544
163	55.77	0.02	-0.0113	-0.0170	-0.0069	1.5044	0.0794	0.9003	0.0392	0.3197	0.0435	0.3550
164	55.93	-0.00	-0.0012	-0.0143	0.0024	11.9167	-2.0000	0.8900	0.0382	0.3172	0.0429	0.3565
165	56.09	-0.01	-0.0068	-0.0160	0.0004	2.3529	-0.0588	0.8837	0.0372	0.3149	0.0418	0.3544
166	56.23	0.02	0.0031	-0.0128	0.0047	-4.1290	1.5161	0.8942	0.0392	0.3162	0.0438	0.3537
167	56.38	-0.01	-0.0026	-0.0137	0.0018	5.2692	-0.6923	0.9018	0.0382	0.3210	0.0423	0.3559
168	56.55	-0.03	-0.0012	-0.0135	0.0017	11.2500	-1.4167	0.9020	0.0377	0.3204	0.0418	0.3551
169	56.69	-0.06	-0.0007	-0.0128	0.0017	18.2657	-2.4286	0.8992	0.0365	0.3189	0.0406	0.3548
170	56.85	0.01	0.0019	-0.0115	0.0017	-6.0526	0.8947	0.8963	0.0361	0.3153	0.0402	0.3551
171	57.01	-0.01	0.0067	-0.0093	0.0037	-1.3881	0.5522	0.8932	0.0364	0.3168	0.0407	0.3547
172	57.14	-0.03	0.0175	-0.0076	0.0085	-0.4343	0.4857	0.8748	0.0357	0.3089	0.0408	0.3531
173	57.31	-0.02	0.0150	-0.0067	0.0056	-0.4467	0.3733	0.8920	0.0356	0.3157	0.0399	0.3540
174	57.43	-0.04	0.0129	-0.0066	0.0051	-0.5116	0.3953	0.9034	0.0375	0.3202	0.0415	0.3544
175	57.60	-0.08	-0.0184	-0.0066	-0.0090	0.3587	0.4891	0.9540	0.0447	0.3402	0.0468	0.3568
176	57.74	-0.14	-0.0507	-0.0099	-0.0221	0.1957	0.4368	0.9415	0.0409	0.3351	0.0434	0.3559
177	57.88	-0.12	-0.0646	-0.0105	-0.0259	0.1628	0.4000	0.9401	0.0402	0.3352	0.0427	0.3565
178	58.02	-0.13	-0.0401	-0.0079	-0.0167	0.1975	0.4175	0.9404	0.0390	0.3343	0.0414	0.3555
179	58.17	-0.13	-0.0348	-0.0068	-0.0167	0.1960	0.4813	0.9189	0.0361	0.3254	0.0393	0.3541
180	58.22	-0.15	-0.0246	-0.0048	-0.0130	0.1959	0.5306	0.9393	0.0382	0.3336	0.0406	0.3551
181	58.21	-0.13	-0.0101	-0.0050	-0.0063	0.4950	0.6238	0.9277	0.0366	0.3289	0.0374	0.3545
182	58.22	-0.09	-0.0253	-0.0056	-0.0118	0.2222	0.4683	0.9188	0.0363	0.3251	0.0395	0.3538
183	58.23	-0.13	-0.0307	-0.0069	-0.0100	0.2255	0.5425	0.9259	0.0375	0.3289	0.0405	0.3552
184	58.22	-0.13	-0.0204	-0.0048	-0.0126	0.2353	0.6176	0.9260	0.0372	0.3282	0.0401	0.3544

PAGE 2 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 157 0.90 1.7 0.0 BIVOF31 0.0 0 -20 0 -20 UNKNOWN

POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
185	58.22	-0.14	-0.0088	-0.0040	-0.0070	0.4545	0.7955	0.9260	0.0373	0.3294	0.0403	0.3557
186	58.22	-0.14	-0.0216	-0.0058	-0.0124	0.2695	0.5741	0.9376	0.0386	0.3327	0.0411	0.3548

PAGE 3 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 157 0.90 1.7				0.0	BIWOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CM3	CB3	XCPF3	YCPF3	CMF4	CM4	CB4	XCPF4	YCPF4
1	-5.82	0.01	0.0010	9.9999	0.0085	9.9999	8.5000	-0.9945	-0.0294	-0.4168	0.0295	0.4190
2	-5.43	-0.01	0.0010	9.9999	0.0091	9.9999	9.1000	-0.9951	-0.0297	-0.4173	0.0298	0.4193
3	-5.83	-0.01	-0.0010	9.9999	0.0070	9.9999	-7.0000	-0.9965	-0.0291	-0.4175	0.0292	0.4189
4	-5.81	-0.01	0.0044	9.9999	0.0105	9.9999	2.3864	-0.9887	-0.0299	-0.4144	0.0302	0.4192
5	-4.86	-0.01	-0.0011	9.9999	0.0081	9.9999	-7.3636	-0.9920	-0.0296	-0.3831	0.0328	0.4247
6	-3.11	-0.00	-0.0011	9.9999	0.0052	9.9999	-8.3636	-0.7996	-0.0279	-0.3460	0.0348	0.4327
7	-1.41	-0.01	0.0023	9.9999	0.0103	9.9999	4.4783	-0.6977	-0.0261	-0.3099	0.0373	0.4442
8	0.38	-0.01	0.0016	9.9999	0.0111	9.9999	6.9375	-0.5941	-0.0237	-0.2697	0.0400	0.4539
9	2.13	-0.01	-0.0005	9.9999	0.0109	9.9999	-21.8000	-0.5014	-0.0228	-0.2292	0.0456	0.4570
10	3.91	-0.01	0.0036	9.9999	0.0131	9.9999	3.6389	-0.3988	-0.0180	-0.1827	0.0452	0.4580
11	5.70	-0.01	0.0015	9.9999	0.0138	9.9999	9.2000	-0.3101	-0.0141	-0.1462	0.0456	0.4714
12	7.55	-0.01	-0.0006	9.9999	0.0128	9.9999	-21.3333	-0.2234	-0.0107	-0.1089	0.0480	0.4877
13	9.31	-0.01	-0.0013	9.9999	0.0135	9.9999	-10.3846	-0.1555	-0.0083	-0.0896	0.0535	0.4878
14	11.18	-0.01	0.0064	9.9999	0.0128	9.9999	2.0000	-0.3799	-0.0047	-0.0346	0.0590	0.4329
15	12.98	-0.01	0.0087	9.9999	0.0091	9.9999	1.0460	-0.0247	-0.0005	-0.0133	0.0703	0.5407
16	14.83	-0.02	0.0150	9.9999	0.0086	9.9999	0.5733	0.0090	0.0065	-0.0002	0.7222	-0.0222
17	16.73	-0.02	0.0165	9.9999	0.0071	9.9999	0.4703	0.0411	0.0160	0.0118	0.3902	0.2878
18	18.62	-0.03	0.0180	9.9999	0.0061	9.9999	0.3389	0.0879	0.0219	0.0337	0.2497	0.3831
19	20.50	-0.04	0.0146	9.9999	0.0039	9.9999	0.2671	0.1597	0.0286	0.0677	0.1758	0.4241
20	22.38	-0.03	0.0174	9.9999	0.0044	9.9999	0.2529	0.2209	0.0335	0.0972	0.1515	0.4401
21	24.25	-0.05	0.0057	9.9999	-0.0020	9.9999	-0.3509	0.2859	0.0376	0.1295	0.1314	0.4529
22	26.17	-0.05	0.0085	9.9999	-0.0002	9.9999	-0.0235	0.3441	0.0420	0.1553	0.1220	0.4514
23	27.89	0.03	0.0255	9.9999	0.0141	9.9999	0.5551	0.3119	0.0434	0.1371	0.1391	0.4394
24	27.90	0.02	0.0304	9.9999	0.0150	9.9999	0.4950	0.2979	0.0433	0.1314	0.1453	0.4410
25	27.90	0.01	0.0338	9.9999	0.0172	9.9999	0.5104	0.3189	0.0433	0.1421	0.1358	0.4454
26	27.90	0.01	0.0332	9.9999	0.0172	9.9999	0.5196	0.3039	0.0431	0.1344	0.1418	0.4421
27	28.21	0.02	0.0387	9.9999	0.0204	9.9999	0.5285	0.3029	0.0441	0.1335	0.1456	0.4406
28	28.48	0.04	0.0387	9.9999	0.0209	9.9999	0.5415	0.3166	0.0443	0.1406	0.1399	0.4440
29	28.81	0.05	0.0422	9.9999	0.0229	9.9999	0.5439	0.3098	0.0448	0.1373	0.1446	0.4431
30	29.12	0.05	0.0458	9.9999	0.0235	9.9999	0.5142	0.3391	0.0454	0.1509	0.1339	0.4450
31	29.40	0.05	0.0381	9.9999	0.0207	9.9999	0.5447	0.3516	0.0455	0.1560	0.1294	0.4437
32	29.68	0.07	0.0457	9.9999	0.0247	9.9999	0.5395	0.3594	0.0457	0.1601	0.1271	0.4455
33	29.98	0.06	0.0498	9.9999	0.0275	9.9999	0.5513	0.3671	0.0459	0.1636	0.1250	0.4458
34	30.25	0.08	0.0436	9.9999	0.0238	9.9999	0.5471	0.3747	0.0463	0.1666	0.1236	0.4448
35	30.52	0.07	0.0498	9.9999	0.0280	9.9999	0.5614	0.3841	0.0463	0.1709	0.1205	0.4451
36	30.80	0.08	0.0532	9.9999	0.0296	9.9999	0.5556	0.3926	0.0466	0.1750	0.1197	0.4456
37	31.08	0.09	0.0511	9.9999	0.0292	9.9999	0.5706	0.3933	0.0467	0.1760	0.1187	0.4474
38	31.35	0.08	0.0497	9.9999	0.0280	9.9999	0.5625	0.4142	0.0472	0.1858	0.1139	0.4485
39	31.62	0.07	0.0434	9.9999	0.0261	9.9999	0.6005	0.4198	0.0472	0.1877	0.1124	0.4471
40	31.90	0.09	0.0446	9.9999	0.0296	9.9999	0.5960	0.4273	0.0476	0.1909	0.1114	0.4468
41	32.17	0.09	0.0510	9.9999	0.0314	9.9999	0.6149	0.4258	0.0482	0.1899	0.1132	0.4460
42	32.44	0.09	0.0530	9.9999	0.0320	9.9999	0.6030	0.4250	0.0484	0.1902	0.1139	0.4475
43	32.70	0.10	0.0530	9.9999	0.0318	9.9999	0.5992	0.4312	0.0485	0.1933	0.1125	0.4483
44	32.96	0.10	0.0550	9.9999	0.0336	9.9999	0.6102	0.4196	0.0490	0.1880	0.1168	0.4481
45	33.20	0.09	0.0502	9.9999	0.0321	9.9999	0.6387	0.4252	0.0497	0.1913	0.1169	0.4499
46	33.48	0.10	0.0530	9.9999	0.0318	9.9999	0.5992	0.4563	0.0502	0.2056	0.1190	0.4506

PAGE 3 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION				
7	157 0.90 1.7	0.0	81VOF31	0.0	0	-20	0	-20	UNKNOWN				
POINT	ALPHA	BETA	CNF3	CH3	CH3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4	
47	33.72	0.08	0.0537	9.9999	0.0326	9.9999	0.6063	0.4610	0.0502	0.2077	0.1089	0.4506	
48	33.95	0.08	0.0495	9.9999	0.0312	9.9999	0.6296	0.4776	0.0510	0.2147	0.1088	0.4496	
49	34.23	0.06	0.0446	9.9999	0.0306	9.9999	0.6854	0.4852	0.0513	0.2183	0.1057	0.4500	
50	34.48	0.06	0.0467	9.9999	0.0315	9.9999	0.6738	0.4929	0.0522	0.2222	0.1059	0.4507	
51	34.70	0.04	0.0315	9.9999	0.0239	9.9999	0.7611	0.4967	0.0524	0.2236	0.1055	0.4501	
52	34.76	0.03	0.0328	9.9999	0.0255	9.9999	0.7768	0.5052	0.0513	0.2275	0.1055	0.4502	
53	35.19	0.05	0.0411	9.9999	0.0295	9.9999	0.7171	0.5239	0.0529	0.2360	0.1010	0.4505	
54	35.42	0.03	0.0260	9.9999	0.0207	9.9999	0.7992	0.5314	0.0532	0.2396	0.1001	0.4509	
55	35.67	0.02	0.0149	9.9999	0.0138	9.9999	0.9262	0.5501	0.0535	0.2480	0.0973	0.4508	
56	35.90	0.00	0.0217	9.9999	0.0185	9.9999	0.8525	0.5664	0.0537	0.2551	0.0948	0.4505	
57	36.13	0.03	0.0301	9.9999	0.0235	9.9999	0.7833	0.5548	0.0526	0.2490	0.0948	0.4488	
58	36.38	0.03	0.0231	9.9999	0.0186	9.9999	0.8052	0.5792	0.0528	0.2607	0.0912	0.4502	
59	36.61	0.02	0.0260	9.9999	0.0220	9.9999	0.7885	0.5771	0.0525	0.2596	0.0910	0.4499	
60	36.85	0.02	0.0203	9.9999	0.0184	9.9999	0.9064	0.5773	0.0523	0.2595	0.0906	0.4496	
61	37.09	0.04	0.0245	9.9999	0.0200	9.9999	0.8197	0.5919	0.0523	0.2661	0.0884	0.4496	
62	37.32	0.01	0.0217	9.9999	0.0193	9.9999	0.8894	0.6054	0.0522	0.2724	0.0862	0.4499	
63	37.57	0.04	0.0300	9.9999	0.0229	9.9999	0.7659	0.6133	0.0523	0.2759	0.0853	0.4498	
64	37.81	0.02	0.0202	9.9999	0.0194	9.9999	0.9604	0.6144	0.0519	0.2752	0.0845	0.4479	
65	38.06	0.03	0.0262	9.9999	0.0220	9.9999	0.8765	0.6228	0.0522	0.2794	0.0838	0.4484	
66	38.27	0.13	0.0230	9.9999	0.0208	9.9999	0.9043	0.6187	0.0532	0.2774	0.0860	0.4483	
67	38.52	0.02	0.0197	9.9999	0.0169	9.9999	0.8579	0.6178	0.0540	0.2773	0.0874	0.4488	
68	38.73	0.02	0.0203	9.9999	0.0172	9.9999	0.8473	0.6300	0.0536	0.2816	0.0851	0.4470	
69	38.96	0.04	0.0231	9.9999	0.0186	9.9999	0.8052	0.6402	0.0529	0.2864	0.0826	0.4473	
70	39.18	0.03	0.0259	9.9999	0.0207	9.9999	0.8023	0.6562	0.0526	0.2936	0.0802	0.4474	
71	39.40	0.04	0.0348	9.9999	0.0264	9.9999	0.7579	0.6621	0.0503	0.3062	0.0737	0.4489	
72	39.61	0.02	0.0252	9.9999	0.0212	9.9999	0.8446	0.6706	0.0524	0.2993	0.0782	0.4464	
73	39.83	0.02	0.0217	9.9999	0.0181	9.9999	0.8341	0.7076	0.0503	0.3154	0.0711	0.4458	
74	40.03	0.03	0.0266	9.9999	0.0202	9.9999	0.7623	0.7016	0.0500	0.3126	0.0713	0.4456	
75	40.32	0.03	0.0259	9.9999	0.0201	9.9999	0.7791	0.7075	0.0503	0.3131	0.0711	0.4426	
76	40.53	0.03	0.0300	9.9999	0.0237	9.9999	0.7926	0.7074	0.0504	0.3123	0.0712	0.4415	
77	40.75	0.02	0.0273	9.9999	0.0210	9.9999	0.7721	0.7209	0.0495	0.3165	0.0687	0.4391	
78	40.94	0.02	0.0162	9.9999	0.0147	9.9999	0.9074	0.7314	0.0485	0.3208	0.0663	0.4386	
79	41.16	0.01	0.0230	9.9999	0.0191	9.9999	0.8304	0.7291	0.0499	0.3179	0.0684	0.4360	
80	41.36	0.01	0.0223	9.9999	0.0188	9.9999	0.8430	0.7392	0.0492	0.3221	0.0668	0.4357	
81	41.56	0.00	0.0121	9.9999	0.0127	9.9999	1.0496	0.7316	0.0512	0.3172	0.0700	0.4336	
82	41.75	0.02	0.0224	9.9999	0.0177	9.9999	0.7902	0.7696	0.0478	0.3332	0.0621	0.4329	
83	41.96	0.02	0.0252	9.9999	0.0200	9.9999	0.7968	0.7594	0.0489	0.3289	0.0644	0.4331	
84	42.15	0.00	0.0230	9.9999	0.0190	9.9999	0.8261	0.7602	0.0488	0.3284	0.0642	0.4320	
85	42.33	0.02	0.0182	9.9999	0.0162	9.9999	0.8901	0.7461	0.0503	0.3223	0.0674	0.4319	
86	42.52	0.01	0.0243	9.9999	0.0208	9.9999	0.8560	0.7900	0.0464	0.3385	0.0587	0.4285	
87	42.70	0.02	0.0210	9.9999	0.0170	9.9999	0.8095	0.7550	0.0500	0.3249	0.0662	0.4303	
88	42.87	0.01	0.0196	9.9999	0.0169	9.9999	0.8622	0.7634	0.0495	0.3282	0.0648	0.4299	
89	43.04	0.02	0.0237	9.9999	0.0186	9.9999	0.7848	0.7618	0.0495	0.3272	0.0650	0.4295	
90	43.24	0.03	0.0216	9.9999	0.0189	9.9999	0.8750	0.7652	0.0507	0.3264	0.0663	0.4265	
91	43.43	0.01	0.0189	9.9999	0.0157	9.9999	0.8307	0.8016	0.0465	0.3422	0.0580	0.4269	
92	43.61	0.01	0.0203	9.9999	0.0172	9.9999	0.8473	0.7752	0.0490	0.3308	0.0632	0.4267	

PAGE 3 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH W10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	157	0.90 1.7	0.0	81WOF31	0.0	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	43.77	-0.01	0.0231	9.9999	0.0183	9.9999	0.7922	0.7793	0.0497	0.3330	0.0638	0.4273
94	43.97	-0.00	0.0176	9.9999	0.0143	9.9999	0.8125	0.7998	0.0495	0.3428	0.0619	0.4261
95	44.15	-0.01	0.0190	9.9999	0.0149	9.9999	0.7842	0.8123	0.0481	0.3454	0.0592	0.4252
96	44.33	-0.01	0.0231	9.9999	0.0174	9.9999	0.7332	0.7939	0.0492	0.3330	0.0620	0.4257
97	44.52	0.01	0.0238	9.9999	0.0183	9.9999	0.7689	0.8080	0.0492	0.3437	0.0609	0.4254
98	44.72	-0.02	0.0115	9.9999	0.0097	9.9999	0.8435	0.8604	0.0448	0.3633	0.0521	0.4223
99	44.91	-0.01	0.0204	9.9999	0.0153	9.9999	0.7500	0.8143	0.0493	0.3449	0.0605	0.4236
100	45.06	-0.03	0.0189	9.9999	0.0163	9.9999	0.8624	0.8155	0.0488	0.3454	0.0598	0.4236
101	45.25	-0.03	0.0149	9.9999	0.0113	9.9999	0.7584	0.8497	0.0468	0.3579	0.0551	0.4212
102	45.44	0.02	0.0223	9.9999	0.0179	9.9999	0.8027	0.8013	0.0519	0.3381	0.0648	0.4219
103	45.61	-0.02	0.0204	9.9999	0.0145	9.9999	0.7108	0.8135	0.0505	0.3430	0.0621	0.4217
104	45.77	-0.03	0.0184	9.9999	0.0138	9.9999	0.7500	0.8257	0.0509	0.3469	0.0617	0.4201
105	45.95	0.01	0.0211	9.9999	0.0159	9.9999	0.7536	0.8675	0.0475	0.3625	0.0548	0.4179
106	46.13	-0.05	0.0142	9.9999	0.0123	9.9999	0.8662	0.8251	0.0514	0.3455	0.0623	0.4188
107	46.32	0.02	0.0238	9.9999	0.0177	9.9999	0.7437	0.8248	0.0533	0.3442	0.0646	0.4173
108	46.49	-0.04	0.0108	9.9999	0.0088	9.9999	0.8148	0.8725	0.0495	0.3610	0.0567	0.4138
109	46.66	-0.04	0.0232	9.9999	0.0158	9.9999	0.6810	0.8509	0.0512	0.3543	0.0602	0.4164
110	46.84	-0.03	0.0217	9.9999	0.0168	9.9999	0.7742	0.8535	0.0510	0.3553	0.0598	0.4163
111	47.02	-0.02	0.0204	9.9999	0.0150	9.9999	0.7353	0.8338	0.0528	0.3475	0.0633	0.4168
112	47.19	-0.01	0.0218	9.9999	0.0151	9.9999	0.6927	0.8750	0.0500	0.3642	0.0571	0.4163
113	47.37	-0.02	0.0218	9.9999	0.0140	9.9999	0.6422	0.8880	0.0492	0.3629	0.0554	0.4087
114	47.56	-0.01	0.0157	9.9999	0.0103	9.9999	0.6561	0.8814	0.0504	0.3655	0.0572	0.4147
115	47.72	-0.01	0.0184	9.9999	0.0129	9.9999	0.7011	0.9011	0.0495	0.3731	0.0549	0.4148
116	47.88	-0.00	0.0040	9.9999	0.0039	9.9999	0.9750	0.8883	0.0504	0.3658	0.0567	0.4118
117	48.07	-0.05	0.0211	9.9999	0.0137	9.9999	0.6493	0.8936	0.0506	0.3666	0.0568	0.4102
118	48.24	-0.05	0.0170	9.9999	0.0115	9.9999	0.6765	0.9043	0.0501	0.3678	0.0554	0.4067
119	48.40	-0.02	0.0115	9.9999	0.0091	9.9999	0.7913	0.8841	0.0545	0.3570	0.0617	0.4038
120	48.58	-0.02	0.0225	9.9999	0.0138	9.9999	0.6133	0.8807	0.0515	0.3529	0.0585	0.4007
121	48.74	-0.01	0.0176	9.9999	0.0123	9.9999	0.6989	0.8440	0.0522	0.3361	0.0619	0.3958
122	48.91	-0.02	0.0177	9.9999	0.0115	9.9999	0.6497	0.8399	0.0537	0.3300	0.0639	0.3929
123	49.09	-0.01	0.0224	9.9999	0.0138	9.9999	0.6161	0.8145	0.0518	0.3170	0.0636	0.3893
124	49.25	-0.01	0.0232	9.9999	0.0133	9.9999	0.5733	0.8098	0.0502	0.3132	0.0620	0.3868
125	49.45	0.08	0.0279	9.9999	0.0177	9.9999	0.6367	0.8125	0.0524	0.3154	0.0645	0.3863
126	49.65	0.03	0.0321	9.9999	0.0191	9.9999	0.5969	0.8092	0.0514	0.3103	0.0635	0.3835
127	49.83	0.07	0.0354	9.9999	0.0210	9.9999	0.5949	0.8046	0.0520	0.3052	0.0646	0.3793
128	49.99	0.04	0.0353	9.9999	0.0226	9.9999	0.6420	0.8094	0.0512	0.3072	0.0633	0.3796
129	50.18	-0.03	0.0273	9.9999	0.0154	9.9999	0.5662	0.7855	0.0541	0.2963	0.0689	0.3772
130	50.38	-0.00	0.0299	9.9999	0.0189	9.9999	0.6342	0.7919	0.0537	0.2986	0.0678	0.3771
131	50.55	0.02	0.0306	9.9999	0.0181	9.9999	0.5934	0.7995	0.0531	0.3027	0.0664	0.3786
132	50.72	0.02	0.0252	9.9999	0.0139	9.9999	0.5538	0.7943	0.0526	0.2998	0.0662	0.3774
133	50.88	-0.03	0.0368	9.9999	0.0205	9.9999	0.5586	0.7924	0.0529	0.2972	0.0668	0.3751
134	51.05	0.03	0.0306	9.9999	0.0184	9.9999	0.6033	0.7873	0.0525	0.2943	0.0667	0.3738
135	51.23	-0.00	0.0279	9.9999	0.0152	9.9999	0.5468	0.7730	0.0527	0.2873	0.0682	0.3717
136	51.42	0.02	0.0367	9.9999	0.0210	9.9999	0.5738	0.7497	0.0490	0.2778	0.0654	0.3705
137	51.60	0.00	0.0393	9.9999	0.0239	9.9999	0.6097	0.7451	0.0474	0.2756	0.0636	0.3701
138	51.77	0.03	0.0407	9.9999	0.0235	9.9999	0.5788	0.7375	0.0479	0.2728	0.0649	0.3698

PAGE 3 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	157	0.90	1.7	0.0	B1W0F3I	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
139	51.92	0.02	0.0380	9.9999	0.0217	9.9999	0.5726	0.7626	0.0530	0.2819	0.0695	0.3696
140	52.10	0.02	0.0407	9.9999	0.0235	9.9999	0.5788	0.7593	0.0484	0.2811	0.0637	0.3702
141	52.28	0.03	0.0393	9.9999	0.0234	9.9999	0.5969	0.7762	0.0517	0.2865	0.0666	0.3691
142	52.43	0.04	0.0454	9.9999	0.0275	9.9999	0.6049	0.7775	0.0503	0.2876	0.0647	0.3699
143	52.59	0.06	0.0475	9.9999	0.0280	9.9999	0.5886	0.7797	0.0509	0.2877	0.0653	0.3690
144	52.76	0.04	0.0393	9.9999	0.0237	9.9999	0.6046	0.7809	0.0483	0.2900	0.0619	0.3714
145	52.94	0.03	0.0352	9.9999	0.0214	9.9999	0.6097	0.7890	0.0494	0.2910	0.0626	0.3688
146	53.10	0.04	0.0434	9.9999	0.0257	9.9999	0.5912	0.7817	0.0491	0.2892	0.0628	0.3708
147	53.27	0.06	0.0193	9.9999	0.0212	9.9999	0.5408	0.7887	0.0483	0.2917	0.0612	0.3698
148	53.43	0.03	0.0407	9.9999	0.0230	9.9999	0.5645	0.7824	0.0479	0.2885	0.0612	0.3686
149	53.59	0.03	0.0427	9.9999	0.0242	9.9999	0.5681	0.7844	0.0492	0.2897	0.0627	0.3693
150	53.76	0.03	0.0394	9.9999	0.0223	9.9999	0.5674	0.7828	0.0477	0.2888	0.0609	0.3689
151	53.90	0.03	0.0390	9.9999	0.0219	9.9999	0.5778	0.8033	0.0489	0.2955	0.0609	0.3678
152	54.06	0.04	0.0393	9.9999	0.0220	9.9999	0.5612	0.7939	0.0491	0.2922	0.0619	0.3680
153	54.22	0.01	0.0393	9.9999	0.0239	9.9999	0.6097	0.7952	0.0460	0.2937	0.0578	0.3693
154	54.38	0.04	0.0380	9.9999	0.0219	9.9999	0.5778	0.8080	0.0518	0.2953	0.0641	0.3655
155	54.52	0.03	0.0367	9.9999	0.0200	9.9999	0.5464	0.7999	0.0494	0.2934	0.0618	0.3668
156	54.69	0.03	0.0428	9.9999	0.0240	9.9999	0.5621	0.7911	0.0482	0.2901	0.0609	0.3687
157	54.85	0.00	0.0326	9.9999	0.0180	9.9999	0.5538	0.8063	0.0479	0.2965	0.0594	0.3678
158	55.00	0.01	0.0394	9.9999	0.0223	9.9999	0.5674	0.8113	0.0497	0.2981	0.0613	0.3675
159	55.15	-0.01	0.0326	9.9999	0.0188	9.9999	0.5785	0.8203	0.0516	0.2999	0.0629	0.3656
160	55.32	0.01	0.0414	9.9999	0.0238	9.9999	0.5763	0.8257	0.0509	0.3029	0.0617	0.3669
161	55.48	-0.01	0.0307	9.9999	0.0165	9.9999	0.5392	0.8392	0.0528	0.3065	0.0630	0.3657
162	55.62	-0.00	0.0374	9.9999	0.0208	9.9999	0.5576	0.8243	0.0520	0.3008	0.0631	0.3649
163	55.77	0.02	0.0326	9.9999	0.0183	9.9999	0.5631	0.8314	0.0527	0.3024	0.0634	0.3637
164	55.93	-0.00	0.0313	9.9999	0.0174	9.9999	0.5577	0.8346	0.0541	0.3042	0.0648	0.3648
165	56.09	-0.01	0.0314	9.9999	0.0168	9.9999	0.5367	0.8415	0.0531	0.3068	0.0631	0.3646
166	56.23	0.02	0.0314	9.9999	0.0168	9.9999	0.5367	0.8401	0.0530	0.3058	0.0631	0.3640
167	56.38	-0.01	0.0292	9.9999	0.0175	9.9999	0.6014	0.8514	0.0526	0.3114	0.0618	0.3658
168	56.55	-0.03	0.0395	9.9999	0.0221	9.9999	0.5609	0.8630	0.0535	0.3151	0.0620	0.3652
169	56.69	-0.06	0.0347	9.9999	0.0201	9.9999	0.5809	0.8718	0.0523	0.3204	0.0600	0.3675
170	56.85	0.01	0.0354	9.9999	0.0199	9.9999	0.5637	0.8770	0.0524	0.3214	0.0598	0.3664
171	57.01	-0.01	0.0341	9.9999	0.0182	9.9999	0.5353	0.8782	0.0536	0.3221	0.0610	0.3667
172	57.14	-0.03	0.0368	9.9999	0.0200	9.9999	0.5450	0.8755	0.0531	0.3206	0.0607	0.3661
173	57.31	-0.02	0.0260	9.9999	0.0129	9.9999	0.4981	0.8917	0.0533	0.3279	0.0598	0.3677
174	57.43	-0.04	0.0287	9.9999	0.0150	9.9999	0.5245	0.8740	0.0531	0.3205	0.0608	0.3667
175	57.60	-0.08	0.0287	9.9999	0.0139	9.9999	0.4860	0.9099	0.0578	0.3350	0.0635	0.3682
176	57.74	-0.14	0.0341	9.9999	0.0182	9.9999	0.5353	0.8928	0.0499	0.3290	0.0559	0.3685
177	57.88	-0.12	0.0143	9.9999	0.0086	9.9999	0.4615	0.8674	0.0443	0.3207	0.0511	0.3697
178	58.02	-0.13	0.0185	9.9999	0.0080	9.9999	0.4324	0.8539	0.0404	0.3168	0.0473	0.3718
179	58.17	-0.13	0.0240	9.9999	0.0112	9.9999	0.4667	0.8691	0.0440	0.3218	0.0506	0.3702
180	58.22	-0.15	0.0288	9.9999	0.0140	9.9999	0.4878	0.8811	0.0436	0.3269	0.0495	0.3718
181	58.21	-0.13	0.0255	9.9999	0.0107	9.9999	0.4213	0.8617	0.0420	0.3201	0.0487	0.3714
182	58.22	-0.09	0.0282	9.9999	0.0131	9.9999	0.4662	0.8680	0.0427	0.3231	0.0492	0.3722
183	58.23	-0.13	0.0254	9.9999	0.0132	9.9999	0.5217	0.8626	0.0426	0.3204	0.0494	0.3714
184	58.22	-0.13	0.0226	9.9999	0.0100	9.9999	0.4425	0.8609	0.0413	0.3207	0.0480	0.3725

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSROC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

	TEST PART	MACH	RX10-6	PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
	7	157	0.90	1.7	0.0	BIVOF31	0.0	0	-20	0	-20	UNKNOWN

POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
185	58.22	-0.14	0.0227	9.9999	0.0094	9.9999	0.4141	0.8502	0.0402	0.3174	0.0473	0.3730
186	58.22	-0.14	0.0096	9.9999	0.0048	9.9999	0.5000	0.9574	0.0414	0.3188	0.0483	0.3718

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

(

TEST PART MACH RX10-6											
7 158 1.00 1.7											
PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
0.0 B1W0F31 0.0 0 -20 0 -20 UNKNOWN											
POINT	ALPHA	BETA	CM	CLM	CV	CLN	CLL	CA	CAB	CAF	KCP
1	-5.59	0.01	-3.5738	12.1621	0.0313	-0.0426	0.0021	1.3179	0.2258	1.0921	-3.4032
2	-5.90	-0.00	-3.5966	12.2087	0.0426	-0.0637	0.0021	1.3225	0.2261	1.0964	-3.3945
3	-5.89	-0.00	-3.5737	12.1619	0.0299	-0.0622	0.0021	1.3195	0.2243	1.0952	-3.4032
4	-5.90	-0.01	-3.5933	12.2129	0.0186	-0.0411	0.0021	1.3166	0.2231	1.0935	-3.4083
5	-5.09	-0.00	-3.2210	11.1924	-0.0417	0.0045	0.0022	1.2538	0.2027	1.0510	-3.4749
6	-3.31	-0.00	-2.7892	9.9803	-0.0157	0.0108	-0.0033	1.1609	0.1877	0.9732	-3.5897
7	-1.62	0.00	-2.3608	8.8424	0.0181	-0.0530	0.0031	1.0732	0.1769	0.8963	-3.7455
8	0.18	-0.01	-1.9112	7.5954	-0.0547	-0.0052	0.0033	0.9645	0.1592	0.8053	-3.9742
9	1.95	-0.00	-1.4843	6.4245	-0.0082	-0.0715	0.0037	0.8595	0.1425	0.7171	-4.3284
10	3.76	0.01	-1.0417	5.2950	0.0184	-0.0553	0.0042	0.7711	0.1378	0.6333	-5.0829
11	5.58	0.00	-0.6189	4.3028	-0.0173	-0.0224	0.0047	0.6928	0.1370	0.5558	-6.9521
12	7.46	0.01	-0.2525	3.4562	0.0132	-0.1346	0.0054	0.6146	0.1355	0.4791	-13.6861
13	9.26	0.01	0.1134	2.6368	0.0423	-0.0792	0.0059	0.5458	0.1365	0.4093	23.2602
14	11.16	0.01	0.5163	1.8974	0.0417	-0.0894	0.0067	0.4801	0.1408	0.3394	3.5028
15	12.99	0.01	0.9237	1.2631	-0.0618	0.0704	0.0015	0.4364	0.1473	0.2892	1.3674
16	14.89	0.01	1.1709	1.0728	-0.0867	0.0942	0.0024	0.4079	0.1555	0.2524	0.9162
17	16.35	0.00	1.5412	0.8041	-0.0842	0.1559	-0.0025	0.3638	0.1605	0.2033	0.5217
18	18.77	-0.00	1.9439	0.4374	-0.2200	0.4419	0.0099	0.3287	0.1736	0.1551	0.2250
19	20.71	0.01	2.4017	0.0135	-0.0986	0.3494	-0.0063	0.2780	0.1880	0.0900	0.0056
20	22.66	-0.00	2.9363	-0.1965	-0.2545	0.7513	-0.0352	0.2224	0.1929	0.0296	-0.0669
21	24.63	-0.00	3.6906	-0.4472	-0.2758	1.0474	-0.0572	0.1510	0.1970	-0.0460	-0.1212
22	26.62	0.05	4.4553	-0.6306	0.5483	-1.3486	0.0460	0.0898	0.2109	-0.1213	-0.1415
23	28.05	0.09	4.8205	-0.8587	1.0979	-2.8885	0.1145	0.0666	0.2369	-0.1703	-0.1781
24	28.06	0.09	4.8079	-0.8482	1.0809	-2.7694	0.1143	0.0606	0.2304	-0.1698	-0.1764
25	28.07	0.05	4.8982	-0.7658	0.9701	-2.3758	0.0964	0.0537	0.2316	-0.1779	-0.1567
26	28.45	0.08	5.0143	-0.7478	1.0153	-2.4384	0.0970	0.0352	0.2323	-0.1971	-0.1491
27	28.71	0.08	5.0967	-0.7291	0.9259	-2.0850	0.0732	0.0288	0.2297	-0.2009	-0.1433
28	29.02	0.05	5.2182	-0.8750	0.9794	-2.4254	0.0917	0.0235	0.2342	-0.2107	-0.1677
29	29.36	0.07	5.3808	-0.8546	0.8272	-2.0540	0.0682	-0.0007	0.2323	-0.2330	-0.1588
30	29.64	0.07	5.4589	-0.9707	0.8390	-2.0647	0.0366	-0.0021	0.2331	-0.2352	-0.1778
31	29.92	0.08	5.5516	-0.8689	0.9559	-2.2152	0.0396	-0.0078	0.2369	-0.2447	-0.1565
32	30.20	0.09	5.6446	-0.9989	1.1161	-2.6238	0.0523	-0.0111	0.2404	-0.2515	-0.1770
33	30.48	0.09	5.7719	-0.9524	1.0556	-2.4012	0.0407	-0.0328	0.2339	-0.2667	-0.1650
34	30.75	0.09	5.8597	-1.1495	1.1222	-2.5367	0.0588	-0.0478	0.2361	-0.2839	-0.1962
35	31.02	0.09	5.9847	-1.1443	1.0255	-2.2908	0.0530	-0.0603	0.2350	-0.2954	-0.1912
36	31.30	0.07	6.0498	-1.0784	0.8433	-2.0061	0.0529	-0.0641	0.2316	-0.2958	-0.1783
37	31.57	0.08	6.1446	-1.1208	0.8546	-1.8406	0.0412	-0.0769	0.2301	-0.3071	-0.1624
38	31.84	0.06	6.2851	-1.0554	0.7331	-1.4058	0.0294	-0.0921	0.2286	-0.3208	-0.1679
39	32.13	0.05	6.3841	-1.1036	0.6553	-1.6222	0.0358	-0.1024	0.2315	-0.3339	-0.1729
40	32.38	0.07	6.4947	-1.1311	0.7515	-1.6917	0.0364	-0.1075	0.2293	-0.3368	-0.1742
41	32.64	0.06	6.5969	-1.1961	0.7723	-1.7747	0.0368	-0.1099	0.2334	-0.3403	-0.1816
42	32.91	0.05	6.7163	-1.2481	0.4949	-0.8614	-0.0054	-0.1282	0.2307	-0.3589	-0.1858
43	33.16	0.04	6.8737	-1.3396	0.3383	-0.5692	-0.0171	-0.1402	0.2327	-0.3729	-0.1949
44	33.41	0.03	6.9656	-1.3117	0.3695	-0.8372	0.0131	-0.1463	0.2316	-0.3779	-0.1889
45	33.66	0.04	6.9864	-1.3566	0.5050	-1.0685	0.0372	-0.1442	0.2342	-0.3754	-0.1942
46	33.92	0.04	7.1659	-1.3079	0.4490	-0.7987	0.0317	-0.1577	0.2350	-0.3827	-0.1825

PAGE 1 OF 3
SHEET 2 OF 8

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 158 1.00 1.7				0.0	BLWOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CM	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP	
47	34.16	0.05	7.2020	-1.4423	0.5420	-1.2698	0.0739	-0.1044	0.2377	-0.4021	-0.1986	
48	34.42	0.08	7.3309	-1.5848	1.0407	-2.2874	0.1113	-0.1665	0.2472	-0.4137	-0.2162	
49	34.67	0.03	7.4327	-1.3753	0.2403	-0.3443	0.0379	-0.1909	0.2452	-0.4261	-0.1850	
50	34.91	0.04	7.5611	-1.6079	0.5859	-1.1986	0.0868	-0.2004	0.2445	-0.4449	-0.2127	
51	35.15	0.05	7.6794	-1.7581	0.6478	-1.4025	0.1112	-0.1919	0.2468	-0.4397	-0.2289	
52	35.40	0.03	7.7893	-1.7534	0.4552	-0.8895	0.0871	-0.2049	0.2464	-0.4513	-0.2251	
53	35.65	0.03	7.9254	-1.7552	0.3904	-0.4029	0.0573	-0.2135	0.2457	-0.4592	-0.2215	
54	35.89	0.05	8.0500	-1.8253	0.5965	-1.0531	0.0943	-0.2278	0.2467	-0.4745	-0.2267	
55	36.12	0.05	8.1861	-1.9029	0.6191	-1.2717	0.1129	-0.2383	0.2456	-0.4840	-0.2325	
56	36.36	0.06	8.2590	-1.9453	0.7962	-1.6562	0.1255	-0.2404	0.2502	-0.4907	-0.2355	
57	36.59	0.03	8.3542	-1.9422	0.4141	-0.7574	0.0889	-0.2526	0.2426	-0.4953	-0.2325	
58	36.82	0.04	8.4105	-2.0737	0.6396	-1.3429	0.1196	-0.2533	0.2445	-0.4979	-0.2466	
59	37.07	0.03	8.5626	-2.1870	0.4389	-0.7699	0.0776	-0.2784	0.2407	-0.5192	-0.2554	
60	37.30	0.03	8.6244	-2.1913	0.4703	-0.8619	0.0999	-0.2859	0.2406	-0.5266	-0.2541	
61	37.54	0.03	8.7687	-2.3172	0.5074	-1.0729	0.0906	-0.2966	0.2437	-0.5403	-0.2643	
62	37.78	0.03	8.9421	-2.3604	0.5819	-1.2784	0.1149	-0.2876	0.2441	-0.5318	-0.2670	
63	37.99	0.03	8.9497	-2.4277	0.5496	-1.1958	0.1033	-0.3005	0.2399	-0.5404	-0.2713	
64	38.24	0.04	9.0604	-2.4552	0.6322	-1.2836	0.1039	-0.3157	0.2422	-0.5579	-0.2710	
65	38.47	0.04	9.1395	-2.60326	0.7245	-1.7855	0.1283	-0.3237	0.2444	-0.5681	-0.2881	
66	38.70	0.04	9.2455	-2.6495	0.7672	-1.5461	0.1108	-0.3462	0.2420	-0.5882	-0.2866	
67	38.91	0.04	9.3649	-2.7401	0.6704	-1.4647	0.0931	-0.3466	0.2417	-0.5883	-0.2926	
68	39.14	0.04	9.5092	-2.8818	0.7927	-1.7150	0.1177	-0.3544	0.2409	-0.5953	-0.3031	
69	39.36	0.06	9.5830	-2.9561	0.9935	-2.1128	0.1719	-0.3470	0.2497	-0.5967	-0.3085	
70	39.55	0.03	9.6208	-2.8656	0.7492	-1.6124	0.1299	-0.3586	0.2406	-0.5992	-0.2979	
71	39.77	0.06	9.7187	-2.8941	1.0530	-2.0031	0.1548	-0.3531	0.2420	-0.5951	-0.2978	
72	39.99	0.04	9.8874	-2.9960	0.7528	-1.5758	0.1486	-0.3774	0.2377	-0.6191	-0.3029	
73	40.21	0.07	10.0325	-3.0918	1.0625	-2.0662	0.1567	-0.3915	0.2497	-0.6412	-0.3082	
74	40.40	0.04	10.0992	-3.1608	0.7051	-1.5329	0.1440	-0.4063	0.2343	-0.6406	-0.3133	
75	40.60	0.05	10.1301	-3.2754	0.8662	-1.7901	0.1744	-0.3959	0.2384	-0.6343	-0.3233	
76	40.83	0.03	10.2317	-3.1992	0.6780	-1.5597	0.1445	-0.4047	0.2399	-0.6446	-0.3127	
77	41.02	0.03	10.3649	-3.1302	0.7050	-1.7195	0.1571	-0.4215	0.2369	-0.6584	-0.3028	
78	41.23	0.04	10.3864	-3.3486	0.9523	-1.9942	0.1814	-0.4157	0.2519	-0.6676	-0.3224	
79	41.44	0.03	10.4053	-3.1797	0.8177	-1.7537	0.1579	-0.4267	0.2433	-0.6700	-0.3030	
80	41.63	0.02	10.5336	-3.2465	0.6974	-1.4827	0.0862	-0.4294	0.2384	-0.6678	-0.3082	
81	41.84	0.04	10.6905	-3.2662	0.7757	-1.6431	0.1705	-0.4354	0.2355	-0.6709	-0.3055	
82	42.02	0.04	10.7013	-3.4104	0.7957	-1.7024	0.1762	-0.4369	0.2364	-0.6734	-0.3187	
83	42.22	0.02	10.7816	-3.4229	0.5819	-1.3015	0.0956	-0.4576	0.2251	-0.6828	-0.3175	
84	42.41	0.02	10.8511	-3.4896	0.5918	-1.3415	0.0469	-0.4563	0.2302	-0.6866	-0.3216	
85	42.59	0.04	10.9492	-3.4051	0.7239	-1.3033	0.1709	-0.4557	0.2332	-0.6890	-0.3110	
86	42.78	0.02	11.0212	-3.3787	0.5772	-1.3704	0.1293	-0.4608	0.2236	-0.6845	-0.3066	
87	42.95	0.03	11.0956	-3.3928	0.6593	-1.4685	0.1358	-0.4609	0.2267	-0.6877	-0.3058	
88	43.13	0.02	11.2575	-3.4238	0.5292	-1.1704	0.1241	-0.4669	0.2250	-0.6920	-0.3041	
89	43.32	0.04	11.2563	-3.4950	0.7987	-1.3433	0.2197	-0.4471	0.2355	-0.6857	-0.3098	
90	43.50	0.04	11.2734	-3.4579	0.7498	-1.4397	0.1603	-0.4552	0.2274	-0.6827	-0.3067	
91	43.70	0.01	11.4164	-3.3568	0.5655	-1.1933	0.1130	-0.4717	0.2276	-0.6994	-0.2940	
92	43.86	0.01	11.4957	-3.4895	0.5284	-1.1793	0.1131	-0.4837	0.2246	-0.7083	-0.3035	

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 158 1.00 1.7				0.0	810V31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CM	CLM	CV	CLM	CLL	CA	CAB	CAF	KCP	
93	44.03	0.01	11.5453	-3.5761	0.5853	-1.1897	0.0834	-0.4829	0.2231	-0.7050	-0.3097	
94	44.24	0.00	11.6256	-3.7339	0.5374	-1.2285	0.0955	-0.4886	0.2229	-0.7115	-0.3186	
95	44.43	0.02	11.7139	-3.5618	0.5741	-1.0553	0.1142	-0.4942	0.2222	-0.7164	-0.3015	
96	44.60	0.01	11.7091	-3.5665	0.5098	-1.0775	0.1434	-0.4885	0.2221	-0.7106	-0.3046	
97	44.80	0.01	11.8931	-3.6076	0.5164	-1.1658	0.0669	-0.4942	0.2237	-0.7179	-0.3030	
98	44.97	0.02	11.9068	-3.5793	0.6297	-1.0248	0.1027	-0.4797	0.2244	-0.7042	-0.3006	
99	45.18	-0.01	11.9843	-3.6288	0.3380	-1.1737	0.0373	-0.4863	0.2344	-0.7207	-0.3028	
100	45.35	0.01	12.0197	-3.7104	0.5592	-1.2915	0.1151	-0.5044	0.2262	-0.7306	-0.3087	
101	45.55	0.01	12.1072	-3.6887	0.5291	-1.5315	0.0680	-0.4936	0.2312	-0.7248	-0.3047	
102	45.72	0.01	12.1199	-3.8111	0.5092	-1.4499	0.0500	-0.5011	0.2305	-0.7316	-0.3144	
103	45.88	0.02	12.1889	-3.6022	0.5297	-0.8292	0.1631	-0.4891	0.2346	-0.7237	-0.2955	
104	46.07	0.03	12.2200	-3.6529	0.7139	-1.1157	0.1399	-0.4926	0.2349	-0.7275	-0.2989	
105	46.27	0.02	12.3327	-3.4797	0.6133	-0.9068	0.1520	-0.4907	0.2390	-0.7257	-0.2822	
106	46.46	0.03	12.3806	-3.4611	0.6728	-0.8180	0.1759	-0.4769	0.2403	-0.7173	-0.2796	
107	46.64	0.03	12.4545	-3.3018	0.5999	-0.3601	0.1812	-0.4642	0.2542	-0.7185	-0.2651	
108	46.80	0.02	12.4477	-3.2267	0.4425	0.2782	0.2088	-0.4565	0.2645	-0.7211	-0.2592	
109	46.98	0.02	12.5695	-3.2356	0.3661	0.5157	0.1906	-0.4392	0.2818	-0.7211	-0.2574	
110	47.17	0.02	12.6440	-3.3907	0.3682	0.3046	0.1736	-0.4739	0.2711	-0.7451	-0.2682	
111	47.33	0.02	12.5969	-3.2353	0.3805	0.8233	0.1718	-0.4097	0.3161	-0.7258	-0.2568	
112	47.50	0.01	12.7054	-3.1011	0.2293	0.8166	0.1724	-0.4069	0.3276	-0.7345	-0.2441	
113	47.69	0.01	12.8445	-3.7185	0.3351	0.9413	0.0984	-0.3663	0.3803	-0.7471	-0.2895	
114	47.88	0.01	12.8191	-3.6080	0.2907	1.3198	0.0990	-0.3221	0.3842	-0.7063	-0.2815	
115	48.05	0.02	12.9613	-3.9020	0.3230	1.2165	0.0640	-0.3249	0.4117	-0.7366	-0.3011	
116	48.21	0.02	12.9573	-4.0581	0.3617	1.2429	0.0696	-0.3159	0.4284	-0.7443	-0.3132	
117	48.41	0.05	13.2823	-5.0998	0.6955	1.4083	-0.0140	-0.2151	0.4683	-0.6835	-0.3840	
118	48.58	0.05	13.5197	-5.6502	0.6719	1.4588	-0.0136	-0.2237	0.4857	-0.7094	-0.4179	
119	48.76	0.05	13.5116	-5.6582	0.6522	1.5828	-0.0200	-0.2132	0.4996	-0.7125	-0.4188	
120	48.93	0.05	13.6426	-5.7885	0.6487	1.7443	-0.0203	-0.2354	0.4927	-0.7281	-0.4243	
121	49.10	0.03	13.7064	-5.6125	0.3385	1.8108	-0.0194	-0.2239	0.4966	-0.7255	-0.4095	
122	49.27	0.05	13.7118	-5.5325	0.5363	2.1599	-0.0210	-0.2398	0.4774	-0.7173	-0.4035	
123	49.46	0.04	13.5497	-5.8239	0.4020	2.0889	-0.0380	-0.2515	0.4765	-0.7251	-0.4205	
124	49.64	0.00	13.9578	-5.8980	0.0190	2.1658	-0.0373	-0.2806	0.4762	-0.7529	-0.4226	
125	49.83	0.01	14.7645	-5.8727	0.2040	2.1056	-0.0546	-0.2788	0.4684	-0.7473	-0.4176	
126	50.01	0.01	14.1089	-5.7492	0.2396	2.0720	-0.0424	-0.2647	0.4695	-0.7343	-0.4075	
127	50.19	0.02	14.1546	-5.6616	0.3894	1.8230	-0.0473	-0.2701	0.4749	-0.7451	-0.4000	
128	50.37	0.00	14.3180	-5.8792	0.1594	1.9577	-0.0706	-0.2787	0.4832	-0.7619	-0.4106	
129	50.54	0.01	14.3194	-5.9174	0.2338	2.0584	-0.0475	-0.2750	0.4847	-0.7597	-0.4132	
130	50.70	0.02	14.3297	-5.9455	0.3039	2.0958	-0.0832	-0.2663	0.4883	-0.7546	-0.4149	
131	50.87	0.01	14.4290	-6.1355	0.2152	2.0731	-0.0710	-0.2928	0.4783	-0.7711	-0.4252	
132	51.04	-0.00	14.3847	-5.8989	0.1883	1.3167	-0.0091	-0.3494	0.4420	-0.7914	-0.4101	
133	51.19	-0.01	14.3719	-5.9743	-0.0215	1.5992	-0.0572	-0.3564	0.4287	-0.7851	-0.4171	
134	51.36	-0.01	14.3011	-5.7814	0.1397	1.0851	0.0272	-0.3235	0.4208	-0.7443	-0.4043	
135	51.53	-0.00	14.3420	-5.8979	0.2558	0.9124	0.0395	-0.3355	0.4231	-0.7586	-0.4112	
136	51.70	0.01	14.4675	-5.8201	0.4193	0.9278	0.0690	-0.3460	0.4247	-0.7707	-0.4023	
137	51.85	0.01	14.3169	-5.7000	0.3833	0.7083	0.0814	-0.3153	0.4289	-0.7442	-0.3981	
138	52.03	0.01	14.3659	-5.5735	0.4036	0.6243	0.0937	-0.3111	0.4268	-0.7379	-0.3880	

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	158	1.00	1.7	0.0	BLWOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CN	CLM	CV	CLM	CLL	CA	CAB	CAF	XCP	
139	52.19	0.00	14.4442	-5.6899	0.3365	0.7332	0.0816	-0.3164	0.4409	-0.7573	-0.3939	
140	52.35	-0.02	14.3993	-5.7894	0.1442	0.9323	0.0930	-0.3401	0.4288	-0.7689	-0.4021	
141	52.51	-0.00	14.4748	-5.7608	0.2595	0.7292	0.0880	-0.3258	0.4402	-0.7660	-0.3980	
142	52.68	-0.02	14.4973	-5.6924	0.1357	0.7609	0.1002	-0.3292	0.4386	-0.7678	-0.3926	
143	52.86	-0.01	14.5417	-5.7243	0.2181	0.6522	0.0828	-0.3199	0.4393	-0.7592	-0.3936	
144	53.02	0.00	14.5646	-5.8072	0.3190	0.6635	0.0944	-0.3410	0.4387	-0.7797	-0.3987	
145	53.19	-0.01	14.6623	-5.8088	0.2642	0.5678	0.0835	-0.3369	0.4391	-0.7760	-0.3962	
146	53.35	-0.02	14.6328	-5.9585	0.1380	0.7908	0.1003	-0.3589	0.4378	-0.7967	-0.4072	
147	53.52	-0.01	14.5721	-5.8370	0.2427	0.6402	0.0888	-0.3465	0.4404	-0.7869	-0.4006	
148	53.67	-0.03	14.6952	-5.8441	-0.3391	0.7469	0.0835	-0.3265	0.4428	-0.7693	-0.3977	
149	53.83	-0.04	14.7001	-5.9028	-0.0401	0.7269	0.0777	-0.3423	0.4493	-0.7916	-0.4016	
150	53.99	-0.01	14.7992	-6.0178	0.2358	0.7644	0.0773	-0.3308	0.4563	-0.7871	-0.4066	
151	54.13	-0.03	14.7213	-5.9536	-0.0800	0.9341	0.0770	-0.3337	0.4563	-0.7900	-0.4044	
152	54.30	-0.03	14.8118	-6.0641	0.0055	0.6430	0.0664	-0.3464	0.4609	-0.8073	-0.4094	
153	54.47	-0.01	14.9076	-6.1383	0.1803	0.6375	0.0605	-0.3552	0.4696	-0.8248	-0.4118	
154	54.61	-0.03	14.8788	-6.1779	0.0522	0.5899	0.0549	-0.3543	0.4798	-0.8341	-0.4152	
155	54.76	-0.03	14.7862	-6.0564	0.0880	0.7977	0.0598	-0.3262	0.4883	-0.8144	-0.4096	
156	54.93	-0.02	14.9707	-6.1916	-0.0236	0.8301	0.0546	-0.3148	0.5118	-0.8265	-0.4136	
157	55.09	-0.03	15.0919	-6.4418	0.1640	0.5832	0.0436	-0.3099	0.5209	-0.8307	-0.4268	
158	55.23	-0.01	15.0463	-6.3350	0.2210	0.7057	0.0548	-0.3151	0.5251	-0.8401	-0.4210	
159	55.38	-0.01	15.0044	-6.2984	0.1496	0.5411	0.0436	-0.3198	0.5405	-0.8602	-0.4198	
160	55.53	-0.07	15.1045	-6.2580	-0.2607	0.8315	0.0320	-0.2980	0.5485	-0.8464	-0.4143	
161	55.69	-0.02	15.0050	-6.2757	0.1170	0.6247	0.0552	-0.3261	0.5422	-0.8633	-0.4182	
162	55.86	-0.03	15.0784	-6.2583	0.0305	0.6644	0.0378	-0.3052	0.5469	-0.8520	-0.4150	
163	55.99	-0.05	15.0798	-6.2502	-0.1509	0.7826	0.0318	-0.3341	0.5490	-0.8831	-0.4145	
164	56.16	-0.03	15.1454	-6.3966	0.1116	0.5150	0.0325	-0.3204	0.5643	-0.8847	-0.4217	
165	56.34	-0.06	15.4443	-6.3503	-0.1524	0.4992	0.0222	-0.3591	0.5566	-0.9157	-0.4112	
166	56.51	-0.05	15.5389	-6.0635	-0.0481	0.3271	0.0350	-0.4075	0.5329	-0.9404	-0.3902	
167	56.66	-0.05	15.5134	-6.0766	0.0307	-0.0954	0.0361	-0.4645	0.4754	-0.9400	-0.3917	
168	56.81	-0.07	15.6539	-6.3001	0.0307	-1.0275	-0.0161	-0.4836	0.4666	-0.9502	-0.4025	
169	56.98	-0.08	15.7542	-6.3041	-0.2189	-0.7525	-0.0222	-0.5092	0.4948	-0.9939	-0.4002	
170	57.13	-0.09	15.7535	-6.3678	-0.1957	-0.8166	-0.0045	-0.5089	0.4788	-0.9877	-0.4042	
171	57.25	-0.06	15.5850	-6.4423	-0.0639	-0.7232	-0.0049	-0.4197	0.5177	-0.9374	-0.4134	
172	57.40	-0.06	15.5536	-6.5543	-0.0702	-0.4456	0.0184	-0.3966	0.5384	-0.9350	-0.4214	
173	57.54	-0.07	15.6604	-6.6503	-0.0686	-0.4184	0.0127	-0.4241	0.5376	-0.9617	-0.4247	
174	57.67	-0.06	15.5662	-6.6622	-0.0819	-0.4377	0.0183	-0.4427	0.5222	-0.9649	-0.4280	
175	57.93	-0.08	15.6023	-6.6598	-0.2022	-0.3245	0.0182	-0.4247	0.5153	-0.9400	-0.4268	
176	57.98	-0.05	15.7057	-6.4711	0.0526	-0.1474	0.0247	-0.4680	0.4784	-0.9465	-0.4120	
177	58.14	-0.05	15.8296	-6.5227	0.0323	-0.2531	0.0191	-0.5139	0.4859	-0.9997	-0.4121	
178	58.27	-0.05	15.7449	-6.3676	-0.0096	-0.1195	0.0128	-0.5139	0.4749	-0.9888	-0.4044	
179	58.31	-0.03	15.9216	-6.5116	0.2424	-0.3657	-0.0161	-0.5320	0.4656	-0.9976	-0.4090	
180	58.18	-0.06	15.4542	-6.5180	0.0210	-0.4103	0.0120	-0.4409	0.5278	-0.9687	-0.4218	

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 158 1.00 1.7				0.0	BLWOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	C81	KCPF1	VCPF1	CNF2	CH2	CB2	KCPF2	VCPF2
1	-5.89	0.01	-0.0028	0.0011	0.0057	-0.3929	-2.0357	-0.9562	0.0040	-0.4611	-0.0042	0.4823
2	-5.90	-0.00	-0.0034	0.0012	0.0057	-0.3529	-1.6765	-0.9563	0.0044	-0.4610	-0.0046	0.4821
3	-5.89	-0.00	-0.0010	0.0014	0.0065	-1.4000	-6.5000	-0.9520	0.0044	-0.4596	-0.0046	0.4828
4	-5.90	-0.01	-0.0040	0.0009	0.0052	-0.2250	-1.3000	-0.9583	0.0042	-0.4612	-0.0044	0.4813
5	-5.09	-0.00	-0.0040	0.0010	0.0053	-0.2500	-1.3250	-0.8752	0.0024	-0.4279	-0.0027	0.4889
6	-3.31	-0.00	-0.0015	0.0014	0.0051	-0.9333	-3.4000	-0.7763	0.0014	-0.3914	-0.0018	0.5042
7	-1.62	0.00	-0.0038	0.0008	0.0042	-0.2105	-1.1053	-0.6871	0.0	-0.3552	0.0	0.5170
8	0.18	-0.01	-0.0019	0.0011	0.0036	-0.5789	-1.8947	-0.5805	-0.0022	-0.3099	0.0038	0.5339
9	1.95	-0.00	0.0017	0.0011	0.0051	0.6471	3.0000	-0.4750	-0.0059	-0.2598	0.0124	0.5470
10	3.76	0.01	0.0031	0.0005	0.0051	0.1613	1.6452	-0.3711	-0.0071	-0.2117	0.0192	0.5706
11	5.58	0.00	-0.0012	0.0	0.0050	0.0	-4.1667	-0.2878	-0.0066	-0.1672	0.0230	0.5811
12	7.46	0.01	-0.0015	-0.0004	0.0073	0.2667	-4.8667	-0.2137	-0.0047	-0.1307	0.0220	0.6113
13	9.26	0.01	0.0014	-0.0004	0.0101	-0.2857	7.2143	-0.1371	-0.0025	-0.0895	0.0183	0.6528
14	11.16	0.01	0.0027	-0.0003	0.0097	-0.1111	3.5926	-0.0621	-0.0007	-0.0573	0.0113	0.9226
15	12.99	0.01	-0.0005	0.0001	0.0092	-0.2000	-18.4000	-0.0073	0.0028	-0.0277	-0.3836	3.7806
16	14.89	0.01	-0.0041	0.0001	0.0077	-0.0244	-1.8780	0.0177	0.0094	-0.0165	0.5311	-0.9322
17	16.85	0.00	-0.0120	0.0004	0.0042	-0.0333	-0.3500	0.0545	0.0167	-0.0027	0.3070	-0.0496
18	18.77	-0.00	-0.0160	0.0010	0.0048	-0.0625	-0.3000	0.0918	0.0219	0.0131	0.2391	0.1430
19	20.71	0.01	-0.0203	-0.0002	-0.0046	0.0049	0.2266	0.1441	0.0269	0.0385	0.1864	0.2670
20	22.64	-0.00	-0.0048	0.0014	-0.0303	-0.0188	0.4048	0.1826	0.0314	0.0565	0.1718	0.3095
21	24.63	-0.00	-0.0053	0.0027	-0.0459	-0.0284	0.4816	0.2347	0.0348	0.0803	0.1482	0.3420
22	26.62	0.05	0.1174	0.0011	0.0706	-0.0080	0.5142	0.3414	0.0359	0.1338	0.1051	0.3918
23	28.05	0.09	0.2883	0.0013	0.1389	-0.0045	0.4818	0.4090	0.0344	0.1657	0.0840	0.4052
24	28.06	0.09	0.2838	-0.0021	0.1403	-0.0074	0.4944	0.4102	0.0350	0.1667	0.0852	0.4064
25	28.07	0.08	0.2425	-0.0026	0.1207	-0.0107	0.4979	0.4011	0.0358	0.1610	0.0892	0.4014
26	28.45	0.08	0.2419	-0.0009	0.1184	-0.0037	0.4896	0.4116	0.0352	0.1657	0.0854	0.4026
27	28.71	0.08	0.1976	-0.0016	0.0976	-0.0081	0.4939	0.4087	0.0358	0.1636	0.0975	0.4003
28	29.02	0.08	0.2077	-0.0009	0.1021	-0.0043	0.4916	0.4177	0.0358	0.1676	0.0857	0.4014
29	29.36	0.07	0.1959	-0.0005	0.0940	-0.0026	0.4798	0.4278	0.0365	0.1728	0.0853	0.4038
30	29.64	0.07	0.1991	-0.0006	0.0940	-0.0030	0.4721	0.4469	0.0367	0.1826	0.0821	0.4085
31	29.92	0.08	0.1698	0.0009	0.0776	-0.0053	0.4566	0.4426	0.0374	0.1802	0.0844	0.4071
32	30.20	0.09	0.2365	-0.0003	0.1040	-0.0013	0.4398	0.4786	0.0367	0.1952	0.0766	0.4079
33	30.48	0.09	0.2103	0.0011	0.0935	0.0052	0.4445	0.4784	0.0374	0.1952	0.0781	0.4086
34	30.75	0.09	0.2254	0.0011	0.1002	0.0049	0.4446	0.4907	0.0375	0.2007	0.0764	0.4099
35	31.02	0.09	0.2026	0.0017	0.0883	0.0054	0.4357	0.4878	0.0391	0.1980	0.0781	0.4059
36	31.30	0.07	0.1801	0.0017	0.0805	0.0045	0.4469	0.4878	0.0384	0.1975	0.0787	0.4049
37	31.57	0.05	0.1713	0.0023	0.0744	0.0115	0.4342	0.4934	0.0386	0.1997	0.0787	0.4072
38	31.84	0.06	0.1430	0.0020	0.0618	0.0140	0.4324	0.4903	0.0391	0.1994	0.0797	0.4067
39	32.13	0.05	0.1528	0.0015	0.0651	0.0098	0.4262	0.5034	0.0388	0.2052	0.0770	0.4076
40	32.38	0.07	0.1754	0.0015	0.0776	0.0056	0.4423	0.5169	0.0375	0.2119	0.0725	0.4100
41	32.64	0.06	0.1982	0.0001	0.0870	0.0005	0.4388	0.5302	0.0367	0.2176	0.0692	0.4105
42	32.91	0.05	0.0819	0.0026	0.0278	0.0318	0.3390	0.5118	0.0386	0.2072	0.0754	0.4049
43	33.16	0.04	0.0397	0.0035	0.0079	0.0884	0.1995	0.5049	0.0386	0.2039	0.0764	0.4038
44	33.41	0.03	0.0752	0.0021	0.0259	0.0280	0.3440	0.5189	0.0382	0.2102	0.0736	0.4052
45	33.66	0.04	0.0987	0.0020	0.0418	0.0293	0.4234	0.5258	0.0379	0.2143	0.0720	0.4077
46	33.92	0.04	0.0791	0.0006	0.0331	0.0076	0.4183	0.5216	0.0384	0.2104	0.0736	0.4035

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 158 1.00 1.7			0.0	81W0F31	0.0	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CHI	CBI	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	34.16	0.05	0.1491	-0.0016	0.0707	-0.0108	0.4745	0.5417	0.0376	0.2204	0.0694	0.4068
48	34.42	0.08	0.2179	-0.0005	0.0983	-0.0023	0.4510	0.5681	0.0367	0.2335	0.0646	0.4110
49	34.67	0.03	0.1117	-0.0028	0.0470	-0.0251	0.4206	0.5428	0.0389	0.2209	0.0716	0.4069
50	34.91	0.04	0.1330	-0.0034	0.0666	-0.0256	0.5011	0.5565	0.0389	0.2284	0.0699	0.4103
51	35.15	0.05	0.1682	-0.0033	0.0851	-0.0197	0.5057	0.5697	0.0389	0.2336	0.0682	0.4100
52	35.40	0.03	0.1265	-0.0030	0.0623	-0.0238	0.4929	0.5421	0.0392	0.2293	0.0697	0.4061
53	35.65	0.03	0.0969	-0.0019	0.0425	-0.0196	0.4385	0.5669	0.0394	0.2301	0.0695	0.4059
54	35.89	0.05	0.1245	-0.0035	0.0636	-0.0282	0.5113	0.5718	0.0390	0.2327	0.0682	0.4069
55	36.12	0.05	0.1725	-0.0004	0.0823	-0.0023	0.4770	0.5876	0.0389	0.2406	0.0662	0.4094
56	36.36	0.06	0.2111	-0.0006	0.0995	-0.0028	0.4713	0.5965	0.0388	0.2455	0.0650	0.4116
57	36.59	0.03	0.0980	-0.0013	0.0484	-0.0133	0.4939	0.5869	0.0392	0.2399	0.0668	0.4070
58	36.82	0.04	0.1961	-0.0004	0.0961	-0.0020	0.4900	0.6160	0.0383	0.2542	0.0621	0.4127
59	37.07	0.03	0.1173	-0.0010	0.0557	-0.0035	0.4748	0.6077	0.0384	0.2480	0.0631	0.4081
60	37.30	0.03	0.1622	-0.0001	0.0773	-0.0006	0.4762	0.6202	0.0385	0.2545	0.0620	0.4104
61	37.54	0.03	0.1095	-0.0015	0.0526	-0.0137	0.4803	0.6204	0.0378	0.2526	0.0609	0.4072
62	37.78	0.01	0.1775	-0.0027	0.0791	-0.0152	0.4455	0.6368	0.0381	0.2611	0.0598	0.4101
63	37.99	0.03	0.1406	-0.0004	0.0664	-0.0029	0.4726	0.6390	0.0378	0.2618	0.0591	0.4098
64	38.24	0.04	0.1708	-0.0008	0.0784	-0.0047	0.4587	0.6500	0.0378	0.2666	0.0581	0.4102
65	38.47	0.04	0.2353	-0.0050	0.1066	-0.0213	0.4532	0.6714	0.0374	0.2744	0.0557	0.4146
66	38.70	0.04	0.1903	-0.0030	0.0846	-0.0158	0.4444	0.6765	0.0369	0.2790	0.0545	0.4124
67	38.91	0.04	0.1850	-0.0025	0.0818	-0.0135	0.4420	0.6799	0.0370	0.2804	0.0544	0.4124
68	39.14	0.04	0.2046	-0.0022	0.0938	-0.0108	0.4584	0.6916	0.0371	0.2863	0.0536	0.4139
69	39.36	0.06	0.2322	-0.0073	0.1054	-0.0315	0.4540	0.6981	0.0385	0.2892	0.0551	0.4142
70	39.55	0.03	0.2074	-0.0028	0.0959	-0.0135	0.4623	0.7010	0.0377	0.2902	0.0537	0.4140
71	39.77	0.06	0.2405	-0.0072	0.1077	-0.0300	0.4479	0.7063	0.0392	0.2925	0.0555	0.4141
72	39.99	0.04	0.2263	-0.0070	0.0993	-0.0310	0.4389	0.7055	0.0397	0.2911	0.0562	0.4126
73	40.21	0.07	0.2407	-0.0095	0.1026	-0.0396	0.4263	0.7091	0.0404	0.2908	0.0570	0.4106
74	40.40	0.04	0.2265	-0.0095	0.0990	-0.0420	0.4372	0.7102	0.0407	0.2935	0.0573	0.4091
75	40.60	0.05	0.2514	-0.0104	0.1100	-0.0415	0.4376	0.7116	0.0416	0.2893	0.0584	0.4066
76	40.83	0.03	0.2152	-0.0095	0.0907	-0.0442	0.4213	0.7205	0.0403	0.2940	0.0559	0.4081
77	41.02	0.03	0.2485	-0.0145	0.1035	-0.0585	0.4165	0.7046	0.0432	0.2836	0.0613	0.4024
78	41.23	0.04	0.2498	-0.0138	0.1040	-0.0554	0.4164	0.7215	0.0420	0.2923	0.0582	0.4051
79	41.44	0.03	0.2479	-0.0137	0.1014	-0.0554	0.4091	0.7237	0.0425	0.2914	0.0587	0.4027
80	41.63	0.02	0.1551	-0.0063	0.0629	-0.0407	0.4057	0.7355	0.0394	0.2973	0.0535	0.4042
81	41.84	0.04	0.1994	-0.0096	0.0833	-0.0482	0.4176	0.7276	0.0415	0.2919	0.0570	0.4012
82	42.02	0.04	0.2162	-0.0114	0.0922	-0.0528	0.4263	0.7251	0.0418	0.2895	0.0576	0.3993
83	42.22	0.02	0.1674	-0.0088	0.0676	-0.0527	0.4039	0.7343	0.0409	0.2934	0.0557	0.3996
84	42.41	0.02	0.1427	-0.0069	0.0533	-0.0485	0.3736	0.7478	0.0394	0.2999	0.0527	0.4010
85	42.59	0.04	0.2212	-0.0176	0.0967	-0.0797	0.3919	0.7163	0.0447	0.2832	0.0624	0.3954
86	42.78	0.02	0.1767	-0.0120	0.0700	-0.0681	0.3965	0.7303	0.0425	0.2894	0.0582	0.3963
87	42.95	0.03	0.1590	-0.0102	0.0654	-0.0643	0.4115	0.7319	0.0417	0.2972	0.0570	0.3965
88	43.13	0.02	0.1653	-0.0124	0.0643	-0.0752	0.3891	0.7312	0.0426	0.2889	0.0582	0.3951
89	43.32	0.04	0.2003	-0.0169	0.0799	-0.0845	0.3987	0.7179	0.0455	0.2825	0.0634	0.3935
90	43.50	0.04	0.2151	-0.0178	0.0852	-0.0829	0.3959	0.7169	0.0457	0.2808	0.0637	0.3917
91	43.70	0.01	0.1338	-0.0113	0.0479	-0.0846	0.3581	0.7251	0.0438	0.2857	0.0604	0.3940
92	43.86	0.01	0.1636	-0.0137	0.0610	-0.0839	0.3729	0.7229	0.0446	0.2828	0.0617	0.3912

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 158 1.00 1.7			0.0	BIWOF31	0.0	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CHI	CHI	XCPF1	YCPF1	CNF2	CHI2	CHI2	XCPF2	YCPF2
93	44.03	0.01	0.1265	0.0076	0.0483	0.0602	0.3819	0.7497	0.0410	0.2954	0.0547	0.3940
94	44.24	0.00	0.1374	0.0086	0.0527	0.0627	0.3837	0.7578	0.0401	0.2981	0.0529	0.3934
95	44.43	0.02	0.1444	0.0115	0.0542	0.0798	0.3754	0.7361	0.0435	0.2870	0.0591	0.3899
96	44.60	0.01	0.1553	0.0139	0.0599	0.0897	0.3658	0.7205	0.0454	0.2793	0.0630	0.3876
97	44.80	0.01	0.1093	0.0047	0.0376	0.0431	0.3437	0.7600	0.0400	0.2964	0.0526	0.3900
98	44.97	0.02	0.1334	0.0110	0.0484	0.0823	0.3615	0.7370	0.0441	0.2844	0.0598	0.3859
99	45.18	-0.01	0.1304	0.0090	0.0464	0.0692	0.3559	0.7451	0.0432	0.2874	0.0580	0.3857
100	45.35	0.01	0.1390	0.0081	0.0522	0.0584	0.3756	0.7518	0.0424	0.2887	0.0564	0.3846
101	45.55	0.01	0.1343	0.0081	0.0490	0.0604	0.3649	0.7598	0.0413	0.2923	0.0543	0.3847
102	45.72	0.01	0.1290	0.0033	0.0472	0.0256	0.3660	0.7823	0.0394	0.3028	0.0503	0.3871
103	45.88	0.02	0.1453	0.0127	0.0526	0.0876	0.3621	0.7380	0.0457	0.2809	0.0619	0.3806
104	46.07	0.03	0.1454	0.0082	0.0535	0.0565	0.3680	0.7480	0.0446	0.2844	0.0596	0.3802
105	46.27	0.02	0.1396	0.0138	0.0500	0.0991	0.3647	0.7174	0.0481	0.2696	0.0670	0.3745
106	46.46	0.03	0.1485	0.0158	0.0524	0.1066	0.3529	0.7142	0.0492	0.2662	0.0689	0.3728
107	46.64	0.03	0.1306	0.0192	0.0433	0.1474	0.3315	0.6847	0.0533	0.2528	0.0779	0.3692
108	46.80	0.02	0.1120	0.0225	0.0333	0.2013	0.2970	0.6494	0.0579	0.2385	0.0892	0.3672
109	46.98	0.02	0.0793	0.0220	0.0196	0.2781	0.2478	0.6357	0.0597	0.2305	0.0939	0.3625
110	47.17	0.02	0.0728	0.0221	0.0192	0.3040	0.2641	0.6406	0.0593	0.2326	0.0926	0.3631
111	47.33	0.02	0.0486	0.0220	0.0067	0.4516	0.1794	0.6284	0.0605	0.2251	0.0963	0.3582
112	47.50	0.01	0.0466	0.0210	0.0053	0.4516	0.1140	0.6134	0.0598	0.2184	0.0975	0.3562
113	47.69	0.01	0.0224	0.0197	-0.0041	0.6795	-0.1830	0.6672	0.0565	0.2423	0.0847	0.3632
114	47.88	0.01	0.0076	0.0187	-0.0065	2.4605	-0.8553	0.6593	0.0568	0.2362	0.0862	0.3582
115	48.05	0.02	-0.0157	0.0168	-0.0159	-1.0701	1.0127	0.6843	0.0566	0.2465	0.0827	0.3602
116	48.21	0.02	-0.0164	0.0143	-0.0164	-0.6720	1.0000	0.7062	0.0564	0.2548	0.0799	0.3608
117	48.41	0.05	-0.0273	-0.0052	-0.0086	0.1912	0.3162	0.6783	0.0524	0.2287	0.0773	0.3371
118	48.58	0.05	-0.0184	-0.0055	-0.0024	0.2999	0.1304	0.6904	0.0520	0.2349	0.0753	0.3402
119	48.76	0.05	-0.0144	-0.0065	-0.0022	0.4514	0.1528	0.6917	0.0519	0.2339	0.0750	0.3381
120	48.93	0.05	-0.0314	-0.0066	-0.0086	0.2109	0.2748	0.6956	0.0524	0.2356	0.0753	0.3387
121	49.10	0.03	-0.0192	-0.0065	-0.0039	0.3385	0.1979	0.6992	0.0510	0.2358	0.0729	0.3372
122	49.27	0.05	-0.0301	-0.0080	-0.0067	0.2667	0.2233	0.7060	0.0509	0.2399	0.0721	0.3398
123	49.46	0.04	-0.0350	-0.0073	-0.0089	0.2092	0.2550	0.7101	0.0507	0.2399	0.0714	0.3378
124	49.64	0.00	-0.0376	-0.0065	-0.0098	0.1733	0.2613	0.7183	0.0509	0.2463	0.0709	0.3429
125	49.83	0.01	-0.0349	-0.0076	-0.0088	0.2184	0.2529	0.7374	0.0498	0.2563	0.0675	0.3476
126	50.01	0.01	-0.0330	-0.0054	-0.0071	0.1641	0.2158	0.7443	0.0496	0.2591	0.0666	0.3481
127	50.19	0.02	-0.0268	-0.0069	-0.0039	0.2584	0.1461	0.7346	0.0511	0.2546	0.0696	0.3466
128	50.37	0.00	-0.0308	-0.0079	-0.0057	0.2573	0.1857	0.7702	0.0496	0.2714	0.0644	0.3523
129	50.54	0.01	-0.0241	-0.0078	-0.0028	0.3237	0.1162	0.7622	0.0500	0.2668	0.0656	0.3501
130	50.70	0.02	-0.0390	-0.0087	-0.0098	0.2237	0.2519	0.7827	0.0504	0.2763	0.0644	0.3530
131	50.87	0.01	-0.0519	-0.0135	-0.0167	0.2606	0.3224	0.7750	0.0470	0.2681	0.0606	0.3460
132	51.04	-0.00	-0.0091	-0.0099	0.0014	1.0879	-0.1538	0.7451	0.0478	0.2516	0.0641	0.3377
133	51.19	-0.01	-0.0385	-0.0159	-0.0087	0.4141	0.2246	0.7562	0.0470	0.2591	0.0621	0.3627
134	51.36	-0.01	0.0051	-0.0033	0.0047	-0.6471	0.9216	0.7285	0.0473	0.2447	0.0649	0.3359
135	51.53	-0.00	0.0159	-0.0032	0.0088	-0.2013	0.5535	0.7383	0.0463	0.2493	0.0627	0.3377
136	51.70	0.01	0.0308	0.0037	0.0121	0.1205	0.3941	0.7146	0.0462	0.2382	0.0646	0.3333
137	51.85	0.01	0.0498	0.0058	0.0184	0.1167	0.3702	0.7268	0.0464	0.2436	0.0638	0.3352
138	52.03	0.01	0.0486	0.0086	0.0185	0.1773	0.3814	0.7147	0.0468	0.2385	0.0655	0.3337

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 158 1.00 1.7				0.0	BIWOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	C82	XCPF2	YCPF2
139	52.19	0.00	0.0413	0.0057	0.0153	0.1383	0.3714	0.7214	0.0478	0.2392	0.0663	0.3318
140	52.35	-0.02	0.0391	0.0060	0.0130	0.1538	0.3333	0.7212	0.0462	0.2414	0.0641	0.3347
141	52.51	-0.00	0.0416	0.0042	0.0155	0.1012	0.3735	0.7278	0.0469	0.2442	0.0644	0.3355
142	52.68	-0.02	0.0358	0.0037	0.0123	0.1036	0.3445	0.7237	0.0461	0.2432	0.0637	0.3361
143	52.86	-0.01	0.0367	0.0053	0.0126	0.1448	0.3443	0.7305	0.0467	0.2441	0.0639	0.3342
144	53.02	0.00	0.0357	0.0048	0.0118	0.1348	0.3315	0.7167	0.0448	0.2394	0.0625	0.3340
145	53.19	-0.01	0.0358	0.0035	0.0125	0.0990	0.3501	0.7339	0.0447	0.2463	0.0609	0.3358
146	53.35	-0.02	0.0310	0.0045	0.0093	0.1456	0.3010	0.7296	0.0443	0.2453	0.0607	0.3362
147	53.52	-0.01	0.0219	0.0039	0.0061	0.1781	0.2785	0.7263	0.0440	0.2433	0.0606	0.3350
148	53.67	-0.03	0.0330	0.0042	0.0089	0.1277	0.2705	0.7373	0.0439	0.2475	0.0595	0.3357
149	53.83	-0.04	0.0252	0.0041	0.0059	0.1633	0.2351	0.7342	0.0427	0.2469	0.0581	0.3363
150	53.99	-0.01	0.0252	0.0040	0.0062	0.1594	0.2470	0.7431	0.0431	0.2520	0.0580	0.3391
151	54.13	-0.03	0.0115	0.0026	0.0001	0.2251	0.0087	0.7355	0.0409	0.2491	0.0556	0.3373
152	54.30	-0.03	0.0277	0.0037	0.0069	0.1341	0.2500	0.7469	0.0418	0.2524	0.0559	0.3379
153	54.47	-0.01	0.0252	0.0037	0.0066	0.1474	0.2629	0.7472	0.0409	0.2532	0.0547	0.3389
154	54.61	-0.03	0.0199	0.0026	0.0042	0.1307	0.2111	0.7483	0.0401	0.2529	0.0536	0.3380
155	54.76	-0.03	0.0262	0.0021	0.0058	0.0905	0.2222	0.7618	0.0394	0.2597	0.0517	0.3410
156	54.93	-0.02	0.0118	0.0010	0.0002	0.0847	0.0169	0.7583	0.0382	0.2573	0.0504	0.3396
157	55.09	-0.03	0.0233	0.0004	0.0050	0.0172	0.2146	0.7759	0.0389	0.2657	0.0501	0.3425
158	55.23	-0.01	0.0186	0.0004	0.0023	0.0215	0.1237	0.7719	0.0388	0.2626	0.0502	0.3403
159	55.38	-0.01	0.0148	0.0009	0.0015	0.0608	0.1014	0.7707	0.0377	0.2637	0.0489	0.3422
160	55.53	-0.07	0.0085	-0.0004	-0.0019	-0.0471	-0.2235	0.7697	0.0365	0.2633	0.0474	0.3421
161	55.69	-0.04	0.0133	-0.0002	0.0005	-0.0150	0.0376	0.7858	0.0361	0.2707	0.0459	0.3444
162	55.86	-0.03	0.0127	-0.0002	-0.0001	-0.0157	-0.0079	0.7843	0.0363	0.2706	0.0463	0.3450
163	55.99	-0.05	0.0116	-0.0006	-0.0008	-0.0517	-0.0690	0.7807	0.0353	0.2679	0.0452	0.3431
164	56.16	-0.03	0.0156	0.0006	0.0013	0.0385	0.0833	0.7774	0.0349	0.2664	0.0449	0.3427
165	56.34	-0.06	0.0190	-0.0011	0.0022	-0.0579	0.1158	0.7954	0.0325	0.2770	0.0408	0.3482
166	56.51	-0.05	0.0129	-0.0010	-0.0005	-0.0775	-0.0388	0.7923	0.0335	0.2758	0.0422	0.3480
167	56.66	-0.05	0.0284	0.0012	0.0058	0.0424	0.2349	0.8147	0.0364	0.2832	0.0446	0.3476
168	56.81	-0.07	0.0203	-0.0015	0.0028	-0.0739	0.1179	0.8567	0.0371	0.3019	0.0433	0.3524
169	56.98	-0.08	0.0176	0.0	0.0013	0.0	0.0739	0.8572	0.0379	0.3018	0.0442	0.3521
170	57.13	-0.09	0.0250	-0.0004	0.0050	-0.0161	0.2008	0.9502	0.0364	0.2997	0.0428	0.3525
171	57.25	-0.06	0.0195	-0.0007	0.0032	-0.0359	0.1641	0.8270	0.0316	0.2926	0.0382	0.3538
172	57.40	-0.06	0.0117	-0.0014	0.0003	-0.1197	0.0256	0.8216	0.0297	0.2908	0.0361	0.3539
173	57.54	-0.07	0.0233	-0.0024	0.0059	-0.1030	0.2532	0.8230	0.0295	0.2909	0.0358	0.3535
174	57.67	-0.06	0.0156	-0.0037	0.0031	-0.2372	0.1987	0.8147	0.0298	0.2863	0.0365	0.3514
175	57.83	-0.08	0.0116	-0.0013	0.0006	-0.1121	0.0517	0.8135	0.0289	0.2878	0.0355	0.3538
176	57.98	-0.05	0.0142	-0.0024	0.0019	-0.1690	0.1378	0.8122	0.0297	0.2861	0.0365	0.3523
177	58.14	-0.05	0.0184	-0.0031	0.0054	-0.1685	0.2935	0.8172	0.0320	0.2867	0.0391	0.3508
178	58.27	-0.05	0.0191	-0.0033	0.0052	-0.1728	0.2723	0.8307	0.0334	0.2908	0.0402	0.3501
179	58.31	-0.03	0.0300	-0.0060	0.0102	-0.2007	0.1411	0.9700	0.0357	0.3074	0.0410	0.3534
180	58.18	-0.06	0.0141	-0.0008	0.0010	-0.0567	0.0709	0.8247	0.0300	0.2927	0.0363	0.3549

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	158	1.00	1.7	0.0	BIWOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.89	0.01	0.0105	9.9999	0.0096	9.9999	0.9143	-1.0112	-0.0021	-0.4235	0.0021	0.4188
2	-5.90	-0.00	0.0099	9.9999	0.0093	9.9999	0.9394	-1.0132	-0.0022	-0.4239	0.0022	0.4184
3	-5.99	-0.90	0.0099	9.9999	0.0101	9.9999	1.0202	-1.0120	-0.0020	-0.4240	0.0020	0.4190
4	-5.90	-0.01	0.0112	9.9999	0.0102	9.9999	0.9107	-1.0107	-0.0019	-0.4231	0.0019	0.4186
5	-5.09	-0.00	0.0111	9.9999	0.0104	9.9999	0.9369	-0.9334	-0.0042	-0.3943	0.0045	0.4226
6	-3.31	-0.00	0.0111	9.9999	0.0112	9.9999	1.0090	-0.6341	-0.0054	-0.3567	0.0065	0.4277
7	-1.62	0.00	0.0105	9.9999	0.0114	9.9999	1.0857	-0.7355	-0.0066	-0.3181	0.0090	0.4324
8	0.18	-0.01	0.0085	9.9999	0.0117	9.9999	1.3765	-0.6264	-0.0082	-0.2751	0.0131	0.4391
9	1.95	-0.00	0.0110	9.9999	0.0132	9.9999	1.2000	-0.5212	-0.0110	-0.2325	0.0211	0.4461
10	3.76	0.01	0.0104	9.9999	0.0121	9.9999	1.1635	-0.4229	-0.0113	-0.1880	0.0268	0.4445
11	5.58	0.00	0.0085	9.9999	0.0120	9.9999	1.4118	-0.3277	-0.0092	-0.1479	0.0281	0.4486
12	7.46	0.01	0.0187	9.9999	0.0139	9.9999	0.7390	-0.2413	-0.0068	-0.1071	0.0282	0.4439
13	9.26	0.01	0.0131	9.9999	0.0103	9.9999	0.7863	-0.1768	-0.0040	-0.0723	0.0227	0.4093
14	11.16	0.01	0.0201	9.9999	0.0114	9.9999	0.5672	-0.1025	-0.0010	-0.0385	0.0098	0.3754
15	12.99	0.01	0.0216	9.9999	0.0077	9.9999	0.3565	-0.0466	0.0043	-0.0143	-0.0025	0.3075
16	14.89	0.01	0.0262	9.9999	0.0078	9.9999	0.2999	-0.0122	0.0109	-0.0001	-0.8934	0.0082
17	16.85	0.00	0.0293	9.9999	0.0088	9.9999	0.3014	0.0297	0.0171	0.0171	0.5777	0.5777
18	18.77	-0.00	0.0250	9.9999	0.0050	9.9999	0.2008	0.0857	0.0223	0.0431	0.2608	0.5029
19	20.71	0.01	0.0312	9.9999	0.0097	9.9999	0.3119	0.1294	0.0268	0.0644	0.2068	0.4981
20	22.66	-0.00	0.0306	9.9999	0.0084	9.9999	0.2754	0.1879	0.0299	0.0938	0.1589	0.4992
21	24.63	-0.00	0.0230	9.9999	0.0038	9.9999	0.1652	0.2380	0.0337	0.1172	0.1415	0.4926
22	26.62	0.05	0.0417	9.9999	0.0155	9.9999	0.3726	0.2357	0.0375	0.1159	0.1590	0.4919
23	28.05	0.09	0.0466	9.9999	0.0199	9.9999	0.4280	0.2235	0.0396	0.1099	0.1771	0.4919
24	28.06	0.09	0.0473	9.9999	0.0192	9.9999	0.4068	0.2256	0.0397	0.1119	0.1759	0.4962
25	28.07	0.08	0.0479	9.9999	0.0203	9.9999	0.4247	0.2430	0.0394	0.1205	0.1621	0.4961
26	28.45	0.08	0.0448	9.9999	0.0188	9.9999	0.4206	0.2460	0.0393	0.1226	0.1597	0.4982
27	28.71	0.08	0.0447	9.9999	0.0190	9.9999	0.4260	0.2619	0.0391	0.1301	0.1492	0.4966
28	29.02	0.09	0.0479	9.9999	0.0208	9.9999	0.4351	0.2719	0.0392	0.1348	0.1441	0.4958
29	29.36	0.07	0.0453	9.9999	0.0201	9.9999	0.4447	0.2797	0.0386	0.1378	0.1379	0.4927
30	29.64	0.07	0.0516	9.9999	0.0238	9.9999	0.4621	0.2901	0.0370	0.1424	0.1344	0.4908
31	29.92	0.08	0.0465	9.9999	0.0224	9.9999	0.4828	0.2901	0.0382	0.1435	0.1316	0.4946
32	30.20	0.09	0.0478	9.9999	0.0230	9.9999	0.4922	0.2838	0.0395	0.1400	0.1391	0.4933
33	30.48	0.09	0.0477	9.9999	0.0237	9.9999	0.4979	0.3004	0.0393	0.1473	0.1308	0.4903
34	30.75	0.09	0.0496	9.9999	0.0257	9.9999	0.5172	0.3092	0.0399	0.1510	0.1290	0.4883
35	31.02	0.09	0.0427	9.9999	0.0211	9.9999	0.4953	0.3215	0.0399	0.1574	0.1241	0.4897
36	31.30	0.07	0.0402	9.9999	0.0194	9.9999	0.4838	0.3342	0.0400	0.1642	0.1196	0.4915
37	31.57	0.08	0.0452	9.9999	0.0225	9.9999	0.4989	0.3439	0.0403	0.1687	0.1171	0.4907
38	31.84	0.06	0.0427	9.9999	0.0221	9.9999	0.5188	0.3573	0.0405	0.1757	0.1133	0.4918
39	32.13	0.05	0.0402	9.9999	0.0201	9.9999	0.5012	0.3588	0.0411	0.1755	0.1145	0.4890
40	32.38	0.07	0.0445	9.9999	0.0232	9.9999	0.5225	0.3610	0.0418	0.1759	0.1157	0.4899
41	32.64	0.06	0.0402	9.9999	0.0214	9.9999	0.5337	0.3627	0.0421	0.1779	0.1160	0.4903
42	32.91	0.05	0.0377	9.9999	0.0200	9.9999	0.5319	0.4011	0.0411	0.1949	0.1024	0.4859
43	33.16	0.04	0.0339	9.9999	0.0177	9.9999	0.5237	0.4197	0.0398	0.2035	0.0948	0.4950
44	33.41	0.03	0.0339	9.9999	0.0179	9.9999	0.5296	0.4260	0.0406	0.2066	0.0953	0.4851
45	33.66	0.04	0.0389	9.9999	0.0208	9.9999	0.5361	0.4242	0.0410	0.2058	0.0966	0.4852
46	33.92	0.04	0.0364	9.9999	0.0196	9.9999	0.5399	0.4413	0.0403	0.2132	0.0913	0.4832

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 158 1.00 1.7				0.0	BL10CF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
47	34.16	0.05	0.0402	9.9999	0.0219	9.9999	0.5461	0.4409	0.0415	0.2130	0.0941	0.4832
48	34.42	0.08	0.0401	9.9999	0.0227	9.9999	0.5675	0.4294	0.0422	0.2074	0.0982	0.4831
49	34.67	0.03	0.0283	9.9999	0.0157	9.9999	0.5567	0.4580	0.0415	0.2202	0.0906	0.4806
50	34.91	0.04	0.0309	9.9999	0.0162	9.9999	0.5260	0.4657	0.0418	0.2232	0.0897	0.4792
51	35.15	0.05	0.0340	9.9999	0.0184	9.9999	0.5428	0.4753	0.0415	0.2273	0.0873	0.4782
52	35.40	0.04	0.0352	9.9999	0.0193	9.9999	0.5499	0.4876	0.0414	0.2332	0.0849	0.4762
53	35.65	0.03	0.0246	9.9999	0.0132	9.9999	0.5388	0.4959	0.0417	0.2363	0.0841	0.4765
54	35.89	0.05	0.0364	9.9999	0.0204	9.9999	0.5620	0.5006	0.0420	0.2383	0.0839	0.4760
55	36.12	0.05	0.0364	9.9999	0.0214	9.9999	0.5895	0.4988	0.0424	0.2364	0.0850	0.4739
56	36.36	0.06	0.0427	9.9999	0.0247	9.9999	0.5775	0.4965	0.0425	0.2355	0.0856	0.4743
57	36.59	0.03	0.0359	9.9999	0.0183	9.9999	0.5112	0.5342	0.0414	0.2512	0.0775	0.4703
58	36.82	0.04	0.0389	9.9999	0.0223	9.9999	0.5747	0.5200	0.0420	0.2448	0.0807	0.4708
59	37.07	0.03	0.0340	9.9999	0.0179	9.9999	0.5280	0.5444	0.0413	0.2551	0.0758	0.4686
60	37.30	0.03	0.0365	9.9999	0.0199	9.9999	0.5467	0.5392	0.0414	0.2521	0.0768	0.4676
61	37.54	0.03	0.0365	9.9999	0.0199	9.9999	0.5467	0.5601	0.0406	0.2616	0.0725	0.4671
62	37.78	0.03	0.0377	9.9999	0.0202	9.9999	0.5372	0.5453	0.0418	0.2545	0.0766	0.4667
63	37.99	0.03	0.0340	9.9999	0.0174	9.9999	0.5133	0.5587	0.0413	0.2609	0.0739	0.4670
64	38.24	0.04	0.0427	9.9999	0.0231	9.9999	0.5423	0.5681	0.0413	0.2651	0.0727	0.4667
65	38.47	0.04	0.0384	9.9999	0.0198	9.9999	0.5170	0.5492	0.0429	0.2557	0.0781	0.4656
66	38.70	0.04	0.0409	9.9999	0.0218	9.9999	0.5343	0.5710	0.0419	0.2649	0.0734	0.4640
67	38.91	0.04	0.0422	9.9999	0.0214	9.9999	0.5083	0.5796	0.0419	0.2691	0.0723	0.4642
68	39.14	0.04	0.0379	9.9999	0.0188	9.9999	0.4974	0.5793	0.0423	0.2685	0.0730	0.4636
69	39.36	0.06	0.0416	9.9999	0.0216	9.9999	0.5205	0.5889	0.0419	0.2716	0.0711	0.4611
70	39.55	0.03	0.0328	9.9999	0.0161	9.9999	0.4924	0.5864	0.0423	0.2713	0.0721	0.4626
71	39.77	0.06	0.0366	9.9999	0.0189	9.9999	0.5178	0.5882	0.0426	0.2715	0.0724	0.4615
72	39.99	0.04	0.0360	9.9999	0.0184	9.9999	0.5125	0.6076	0.0419	0.2799	0.0689	0.4606
73	40.21	0.07	0.0386	9.9999	0.0181	9.9999	0.4701	0.6053	0.0427	0.2789	0.0705	0.4607
74	40.40	0.04	0.0385	9.9999	0.0201	9.9999	0.5234	0.6206	0.0419	0.2851	0.0675	0.4594
75	40.60	0.05	0.0461	9.9999	0.0240	9.9999	0.5217	0.6326	0.0415	0.2906	0.0656	0.4594
76	40.83	0.03	0.0335	9.9999	0.0164	9.9999	0.4910	0.6296	0.0428	0.2878	0.0680	0.4571
77	41.02	0.03	0.0441	9.9999	0.0228	9.9999	0.5192	0.6367	0.0428	0.2910	0.0672	0.4570
78	41.23	0.04	0.0429	9.9999	0.0214	9.9999	0.5090	0.6416	0.0422	0.2922	0.0658	0.4554
79	41.44	0.03	0.0366	9.9999	0.0192	9.9999	0.5260	0.6357	0.0445	0.2888	0.0700	0.4543
80	41.63	0.02	0.0429	9.9999	0.0217	9.9999	0.5070	0.6448	0.0447	0.2930	0.0693	0.4544
81	41.84	0.04	0.0430	9.9999	0.0217	9.9999	0.5058	0.6530	0.0446	0.2954	0.0683	0.4524
82	42.02	0.04	0.0429	9.9999	0.0215	9.9999	0.5023	0.6572	0.0444	0.2966	0.0675	0.4513
83	42.22	0.02	0.0410	9.9999	0.0208	9.9999	0.5086	0.6633	0.0448	0.2990	0.0675	0.4508
84	42.41	0.02	0.0342	9.9999	0.0165	9.9999	0.4839	0.6606	0.0461	0.2958	0.0698	0.4478
85	42.59	0.04	0.0398	9.9999	0.0205	9.9999	0.5164	0.6759	0.0438	0.3026	0.0646	0.4477
86	42.78	0.02	0.0392	9.9999	0.0191	9.9999	0.4885	0.6700	0.0457	0.2990	0.0682	0.4463
87	42.95	0.03	0.0423	9.9999	0.0212	9.9999	0.5024	0.6711	0.0460	0.2991	0.0685	0.4457
88	43.13	0.02	0.0435	9.9999	0.0195	9.9999	0.4827	0.6803	0.0463	0.3017	0.0681	0.4435
89	43.32	0.04	0.0424	9.9999	0.0207	9.9999	0.4894	0.6931	0.0449	0.3060	0.0648	0.4415
90	43.50	0.04	0.0410	9.9999	0.0203	9.9999	0.4963	0.6834	0.0451	0.3034	0.0660	0.4440
91	43.70	0.01	0.0455	9.9999	0.0219	9.9999	0.4824	0.6910	0.0481	0.2986	0.0706	0.4385
92	43.86	0.01	0.0398	9.9999	0.0197	9.9999	0.4962	0.6853	0.0467	0.3016	0.0681	0.4401

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	158	1.00	1.7	0.0	BIWOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	44.03	0.01	0.0366	9.9999	0.0187	9.9999	0.5123	0.6730	0.0493	0.2943	0.0733	0.4373
94	44.24	0.00	0.0354	9.9999	0.0166	9.9999	0.4703	0.6839	0.0486	0.2997	0.0711	0.4382
95	44.43	0.02	0.0354	9.9999	0.0166	9.9999	0.4703	0.6928	0.0476	0.3029	0.0687	0.4372
96	44.60	0.01	0.0393	9.9999	0.0179	9.9999	0.4566	0.7000	0.0462	0.3054	0.0660	0.4363
97	44.80	0.01	0.0385	9.9999	0.0194	9.9999	0.5052	0.6731	0.0514	0.2918	0.0764	0.4335
98	44.97	0.02	0.0355	9.9999	0.0169	9.9999	0.4774	0.6922	0.0490	0.2996	0.0708	0.4328
99	45.18	-0.01	0.0329	9.9999	0.0156	9.9999	0.4756	0.6803	0.0504	0.2948	0.0741	0.4333
100	45.35	0.01	0.0442	9.9999	0.0231	9.9999	0.5238	0.6887	0.0508	0.2972	0.0738	0.4315
101	45.55	0.01	0.0361	9.9999	0.0164	9.9999	0.4556	0.6756	0.0524	0.2911	0.0776	0.4309
102	45.72	0.01	0.0355	9.9999	0.0166	9.9999	0.4689	0.6694	0.0549	0.2858	0.0520	0.4269
103	45.88	0.02	0.0367	9.9999	0.0182	9.9999	0.4973	0.7039	0.0493	0.3010	0.0700	0.4276
104	46.07	0.03	0.0424	9.9999	0.0215	9.9999	0.5083	0.6874	0.0528	0.2937	0.0768	0.4273
105	46.27	0.02	0.0431	9.9999	0.0213	9.9999	0.4953	0.7112	0.0493	0.3018	0.0693	0.4244
106	46.46	0.03	0.0393	9.9999	0.0184	9.9999	0.4694	0.7036	0.0501	0.2977	0.0712	0.4231
107	46.64	0.03	0.0355	9.9999	0.0169	9.9999	0.4774	0.7147	0.0484	0.3014	0.0677	0.4218
108	46.80	0.02	0.0361	9.9999	0.0172	9.9999	0.4778	0.7383	0.0464	0.3094	0.0628	0.4191
109	46.98	0.02	0.0387	9.9999	0.0176	9.9999	0.4560	0.7422	0.0465	0.3081	0.0626	0.4151
110	47.17	0.02	0.0381	9.9999	0.0168	9.9999	0.4421	0.7423	0.0471	0.3070	0.0634	0.4136
111	47.33	0.02	0.0298	9.9999	0.0139	9.9999	0.4680	0.7440	0.0463	0.3052	0.0622	0.4102
112	47.50	0.01	0.0317	9.9999	0.0135	9.9999	0.4272	0.7383	0.0470	0.3026	0.0637	0.4099
113	47.69	0.01	0.0367	9.9999	0.0172	9.9999	0.4699	0.7445	0.0490	0.3052	0.0648	0.4100
114	47.88	0.01	0.0361	9.9999	0.0151	9.9999	0.4194	0.7386	0.0508	0.2983	0.0655	0.4039
115	48.05	0.02	0.0310	9.9999	0.0130	9.9999	0.4207	0.7493	0.0516	0.3039	0.0680	0.4056
116	48.21	0.02	0.0354	9.9999	0.0151	9.9999	0.4278	0.7262	0.0514	0.2906	0.0708	0.4002
117	48.41	0.05	0.0460	9.9999	0.0216	9.9999	0.4706	0.6421	0.0470	0.2459	0.0732	0.3830
118	48.58	0.05	0.0522	9.9999	0.0247	9.9999	0.4722	0.6461	0.0457	0.2473	0.0707	0.3828
119	48.76	0.05	0.0504	9.9999	0.0227	9.9999	0.4513	0.6407	0.0450	0.2451	0.0702	0.3825
120	48.93	0.05	0.0485	9.9999	0.0228	9.9999	0.4711	0.6619	0.0447	0.2532	0.0675	0.3826
121	49.10	0.03	0.0490	9.9999	0.0223	9.9999	0.4560	0.6559	0.0446	0.2495	0.0690	0.3804
122	49.27	0.05	0.0403	9.9999	0.0169	9.9999	0.4204	0.6597	0.0445	0.2508	0.0674	0.3802
123	49.46	0.04	0.0533	9.9999	0.0260	9.9999	0.4868	0.6721	0.0440	0.2552	0.0655	0.3798
124	49.64	0.00	0.0465	9.9999	0.0219	9.9999	0.4720	0.6759	0.0438	0.2564	0.0648	0.3794
125	49.83	0.01	0.0415	9.9999	0.0180	9.9999	0.4348	0.6665	0.0436	0.2512	0.0654	0.3769
126	50.01	0.01	0.0397	9.9999	0.0154	9.9999	0.3889	0.6648	0.0439	0.2501	0.0660	0.3762
127	50.19	0.02	0.0365	9.9999	0.0151	9.9999	0.4148	0.6558	0.0439	0.2457	0.0669	0.3766
128	50.37	0.00	0.0391	9.9999	0.0158	9.9999	0.4051	0.6693	0.0434	0.2505	0.0648	0.3743
129	50.54	0.01	0.0402	9.9999	0.0174	9.9999	0.4339	0.6667	0.0443	0.2490	0.0654	0.3735
130	50.70	0.02	0.0427	9.9999	0.0191	9.9999	0.4484	0.6730	0.0437	0.2510	0.0649	0.3730
131	50.87	0.01	0.0328	9.9999	0.0118	9.9999	0.3609	0.6843	0.0460	0.2552	0.0672	0.3738
132	51.04	-0.00	0.0352	9.9999	0.0152	9.9999	0.4330	0.6935	0.0580	0.2580	0.0837	0.3721
133	51.19	-0.01	0.0403	9.9999	0.0166	9.9999	0.4129	0.6944	0.0578	0.2588	0.0833	0.3727
134	51.36	-0.01	0.0278	9.9999	0.0094	9.9999	0.3394	0.7037	0.0602	0.2637	0.0856	0.3748
135	51.53	-0.00	0.0321	9.9999	0.0117	9.9999	0.3656	0.7107	0.0590	0.2651	0.0831	0.3731
136	51.70	0.01	0.0334	9.9999	0.0131	9.9999	0.3934	0.7333	0.0572	0.2758	0.0780	0.3761
137	51.85	0.01	0.0296	9.9999	0.0120	9.9999	0.4068	0.7327	0.0571	0.2746	0.0780	0.3747
138	52.03	0.01	0.0296	9.9999	0.0103	9.9999	0.3492	0.7375	0.0554	0.2757	0.0751	0.3738

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6													
7 158 1.00 1.7 0.0 B1W0F31 0.0 0 -20 0 -20 UNKNOWN													
POINT	ALPHA	MEYA	CNF3	CM3	CB3	XCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4	
139	52.19	0.00	0.0296	9.9999	0.0113	9.9999	0.3831	0.7336	0.0550	0.2724	0.0750	0.3713	
140	52.35	-0.02	0.0322	9.9999	0.0120	9.9999	0.3738	0.7462	0.0547	0.2788	0.0733	0.3736	
141	52.51	-0.00	0.0226	9.9999	0.0083	9.9999	0.3673	0.7320	0.0533	0.2720	0.0728	0.3715	
142	52.68	-0.02	0.0277	9.9999	0.0114	9.9999	0.4130	0.7590	0.0539	0.2859	0.0710	0.3762	
143	52.86	-0.01	0.0365	9.9999	0.0153	9.9999	0.4203	0.7502	0.0525	0.2786	0.0700	0.3713	
144	53.02	0.00	0.0303	9.9999	0.0116	9.9999	0.3841	0.7555	0.0519	0.2807	0.0714	0.3715	
145	53.19	-0.01	0.0303	9.9999	0.0119	9.9999	0.3940	0.7578	0.0516	0.2807	0.0681	0.3704	
146	53.35	-0.02	0.0246	9.9999	0.0102	9.9999	0.4163	0.7701	0.0520	0.2864	0.0675	0.3719	
147	53.52	-0.01	0.0240	9.9999	0.0071	9.9999	0.2958	0.7631	0.0504	0.2827	0.0661	0.3705	
148	53.67	-0.03	0.0277	9.9999	0.0114	9.9999	0.4130	0.7661	0.0503	0.2829	0.0657	0.3693	
149	53.83	-0.04	0.0296	9.9999	0.0116	9.9999	0.3932	0.7680	0.0504	0.2828	0.0656	0.3682	
150	53.99	-0.01	0.0246	9.9999	0.0099	9.9999	0.4041	0.7676	0.0490	0.2826	0.0638	0.3681	
151	54.13	-0.03	0.0265	9.9999	0.0111	9.9999	0.4205	0.7731	0.0491	0.2841	0.0635	0.3675	
152	54.30	-0.03	0.0327	9.9999	0.0143	9.9999	0.4387	0.7756	0.0488	0.2847	0.0629	0.3671	
153	54.47	-0.01	0.0340	9.9999	0.0151	9.9999	0.4454	0.7784	0.0481	0.2860	0.0618	0.3674	
154	54.61	-0.03	0.0340	9.9999	0.0164	9.9999	0.4838	0.7819	0.0484	0.2871	0.0619	0.3672	
155	54.76	-0.03	0.0138	9.9999	0.0053	9.9999	0.3841	0.7662	0.0480	0.2832	0.0626	0.3657	
156	54.93	-0.02	0.0214	9.9999	0.0087	9.9999	0.4065	0.7696	0.0462	0.2818	0.0600	0.3661	
157	55.09	-0.03	0.0321	9.9999	0.0140	9.9999	0.4375	0.7767	0.0455	0.2842	0.0586	0.3659	
158	55.23	-0.01	0.0303	9.9999	0.0131	9.9999	0.4338	0.7606	0.0452	0.2779	0.0594	0.3653	
159	55.38	-0.01	0.0347	9.9999	0.0152	9.9999	0.4393	0.7780	0.0456	0.2838	0.0586	0.3648	
160	55.53	-0.07	0.0315	9.9999	0.0145	9.9999	0.4618	0.7617	0.0433	0.2782	0.0568	0.3652	
161	55.69	-0.02	0.0253	9.9999	0.0110	9.9999	0.4365	0.7823	0.0444	0.2864	0.0567	0.3661	
162	55.86	-0.03	0.0253	9.9999	0.0107	9.9999	0.4246	0.7606	0.0433	0.2781	0.0569	0.3656	
163	55.99	-0.05	0.0253	9.9999	0.0107	9.9999	0.4246	0.7711	0.0430	0.2811	0.0558	0.3645	
164	56.16	-0.03	0.0271	9.9999	0.0126	9.9999	0.4667	0.7783	0.0429	0.2845	0.0551	0.3655	
165	56.34	-0.06	0.0285	9.9999	0.0110	9.9999	0.3873	0.7687	0.0421	0.2801	0.0548	0.3644	
166	56.51	-0.05	0.0260	9.9999	0.0101	9.9999	0.3900	0.7796	0.0433	0.2842	0.0555	0.3645	
167	56.66	-0.05	0.0304	9.9999	0.0137	9.9999	0.4521	0.7949	0.0455	0.2881	0.0572	0.3624	
168	56.81	-0.07	0.0367	9.9999	0.0172	9.9999	0.4699	0.7892	0.0439	0.2861	0.0556	0.3625	
169	56.98	-0.05	0.0291	9.9999	0.0136	9.9999	0.4690	0.7879	0.0446	0.2852	0.0566	0.3619	
170	57.13	-0.09	0.0248	9.9999	0.0105	9.9999	0.4251	0.7948	0.0437	0.2894	0.0550	0.3641	
171	57.25	-0.06	0.0305	9.9999	0.0127	9.9999	0.4178	0.7762	0.0394	0.2859	0.0494	0.3683	
172	57.40	-0.06	0.0268	9.9999	0.0107	9.9999	0.4007	0.7959	0.0398	0.2923	0.0500	0.3672	
173	57.54	-0.07	0.0343	9.9999	0.0163	9.9999	0.4766	0.7943	0.0399	0.2906	0.0502	0.3658	
174	57.67	-0.06	0.0317	9.9999	0.0148	9.9999	0.4684	0.7949	0.0400	0.2904	0.0503	0.3653	
175	57.83	-0.06	0.0342	9.9999	0.0165	9.9999	0.4839	0.7959	0.0384	0.2929	0.0482	0.3680	
176	57.98	-0.05	0.0325	9.9999	0.0142	9.9999	0.4383	0.7912	0.0411	0.2886	0.0519	0.3647	
177	58.14	-0.05	0.0294	9.9999	0.0114	9.9999	0.3891	0.7897	0.0419	0.2858	0.0530	0.3619	
178	58.27	-0.05	0.0299	9.9999	0.0129	9.9999	0.4329	0.7841	0.0395	0.2863	0.0504	0.3651	
179	58.31	-0.03	0.0249	9.9999	0.0093	9.9999	0.3750	0.7803	0.0407	0.2845	0.0521	0.3646	
180	58.48	-0.06	0.0281	9.9999	0.0121	9.9999	0.4321	0.7877	0.0375	0.2905	0.0476	0.3688	

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 159 1.10 1.7			0.0	BIWOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	XCP
1	-5.86	0.00	-3.4644	11.6618	-0.0176	-0.0141	0.0022	1.4501	0.3068	1.1433	-3.3662
2	-5.86	0.00	-3.4772	11.6451	0.0368	-0.0654	0.0077	1.4487	0.3075	1.1412	-3.3490
3	-5.87	0.00	-3.4551	11.6283	0.0060	-0.0078	0.0023	1.4461	0.3057	1.1404	-3.3655
4	-5.83	0.02	-3.2723	11.1692	0.1714	-0.1538	0.0027	1.4185	0.2983	1.1203	-3.4133
5	-4.06	-0.00	-2.9256	10.2919	-0.0374	0.0323	0.0027	1.3500	0.2963	1.0637	-3.5178
6	-2.15	-0.01	-2.4983	9.2202	-0.0476	0.0507	0.0032	1.2601	0.2772	0.9828	-3.6906
7	-0.57	0.01	-2.1041	8.2009	0.0699	-0.0981	0.0038	1.1835	0.2737	0.9098	-3.8976
8	1.22	-0.00	-1.6504	7.0309	0.0038	-0.0462	0.0042	1.0960	0.2757	0.8202	-4.2602
9	3.12	-0.01	-1.2478	6.0068	-0.0035	0.0171	0.0046	1.0224	0.2793	0.7431	-4.8137
10	4.90	-0.00	-0.9461	4.9839	0.0294	-0.0144	0.0051	0.9518	0.2863	0.6654	-5.8901
11	6.79	-0.01	-0.4113	3.9492	-0.0580	0.0671	0.0055	0.8735	0.2969	0.5766	-9.6014
12	8.63	0.00	0.0150	2.9709	0.0985	-0.0125	0.0062	0.8063	0.3041	0.5023	197.9599
13	10.52	-0.00	0.4445	2.0872	0.0480	-0.0859	0.0072	0.7492	0.3149	0.4343	4.6952
14	12.42	-0.01	0.9646	1.2621	-0.0564	0.1030	0.0076	0.6877	0.3209	0.3668	1.4596
15	14.35	-0.00	1.2332	0.6990	0.0467	0.1033	0.0032	0.6584	0.3280	0.3395	0.7290
16	16.33	-0.01	1.5509	0.6956	-0.0602	0.2619	0.0043	0.6328	0.3398	0.2931	0.4485
17	18.32	-0.01	1.9490	0.2983	-0.1863	0.4595	0.0101	0.5939	0.3514	0.2425	0.1530
18	20.29	-0.01	2.3956	-0.0571	-0.2034	0.6096	0.0002	0.5420	0.3606	0.1814	-0.0238
19	22.31	-0.01	3.1619	-0.5035	-0.1467	0.3538	-0.0179	0.4717	0.3613	0.1105	-0.1592
20	24.33	-0.02	3.9151	-0.9684	-0.3101	1.1953	-0.0669	0.4212	0.3764	0.0448	-0.2474
21	26.36	0.03	4.5923	-1.0371	0.4542	-1.0578	0.0712	0.3867	0.3810	0.0057	-0.2258
22	28.13	0.02	5.2570	-1.3594	0.3664	-0.8233	0.0570	0.3546	0.3904	-0.0358	-0.2643
23	28.16	0.02	5.3124	-1.4096	0.3342	-0.9536	0.0681	0.3635	0.3930	-0.0295	-0.2653
24	28.57	0.02	5.4286	-1.5752	0.2090	-0.4193	0.0299	0.3379	0.3926	-0.0547	-0.2902
25	28.84	0.02	5.5761	-1.6240	0.2287	-0.3153	0.0357	0.3316	0.3961	-0.0645	-0.2912
26	29.13	0.03	5.6817	-1.6943	0.3230	-0.6012	0.0311	0.3284	0.3996	-0.0712	-0.2982
27	29.47	0.06	5.8385	-1.9007	0.7649	-1.8857	0.1035	0.3259	0.4045	-0.0786	-0.3255
28	29.76	0.04	5.9148	-2.0463	0.4778	-1.2004	0.0648	0.3075	0.4056	-0.0982	-0.3460
29	30.03	0.05	6.0175	-2.1262	0.6173	-1.3392	0.0433	0.3060	0.4112	-0.1053	-0.3533
30	30.33	0.06	6.2324	-2.3245	0.8448	-2.0544	0.1156	0.2791	0.4143	-0.1352	-0.3730
31	30.58	0.05	6.3123	-2.5963	0.7787	-2.0012	0.1208	0.2820	0.4171	-0.1351	-0.4113
32	30.88	0.05	6.4698	-2.5964	0.7100	-1.4931	0.0885	0.2719	0.4175	-0.1456	-0.4014
33	31.16	0.04	6.6408	-2.6773	0.5806	-1.0321	0.0776	0.2576	0.4190	-0.1614	-0.4032
34	31.43	0.07	6.6830	-2.9192	0.9018	-2.0411	0.1437	0.2511	0.4221	-0.1710	-0.4218
35	31.71	0.03	6.8345	-2.9039	0.3128	-0.5730	0.0613	0.2437	0.4204	-0.1767	-0.4249
36	31.99	0.04	6.9937	-3.0177	0.4623	-1.0722	0.1109	0.2409	0.4235	-0.1826	-0.4315
37	32.26	0.02	7.1410	-3.1399	0.2789	-0.4097	0.0620	0.2393	0.4269	-0.1876	-0.4397
38	32.52	0.04	7.1830	-3.2545	0.5582	-1.1815	0.1224	0.2335	0.4263	-0.1928	-0.4531
39	32.78	0.04	7.3127	-3.4077	0.5542	-1.3939	0.1337	0.2286	0.4284	-0.1998	-0.4660
40	33.05	0.06	7.4296	-3.5372	0.7208	-1.4754	0.1451	0.2234	0.4326	-0.2092	-0.4761
41	33.31	0.02	7.5878	-3.3801	0.1811	-0.3096	0.1065	0.2263	0.4337	-0.2074	-0.4455
42	33.55	0.03	7.6918	-3.5934	0.3241	-0.7367	0.1449	0.2117	0.4376	-0.2259	-0.4672
43	33.82	0.02	7.8326	-3.7529	0.2280	-0.3069	0.1124	0.1963	0.4373	-0.2410	-0.4791
44	34.08	0.02	7.9755	-3.8915	0.2454	-0.5405	0.1454	0.1970	0.4387	-0.2417	-0.4879
45	34.31	0.01	8.0183	-3.8969	0.2166	-0.3165	0.1453	0.1915	0.4376	-0.2461	-0.4860
46	34.56	0.02	8.1746	-4.1056	0.2822	-0.3779	0.1351	0.1735	0.4413	-0.2678	-0.5022

PAGE 1 OF 3
SHEET 2 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 159 1.10 1.7			0.0	81W0F31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CN	CLM	CY	CLM	CLL	CA	CAB	CAF	KCP
47	34.83	0.02	8.3493	-4.2673	0.2689	-0.2532	0.1516	0.1565	0.4402	-0.2837	-0.5111
48	35.08	0.02	8.4944	-4.3391	0.3281	-0.5350	0.1742	0.1535	0.4448	-0.2914	-0.5108
49	35.31	0.05	8.5357	-4.6363	0.6980	-1.3366	0.2400	0.1724	0.4504	-0.2780	-0.5432
50	35.56	-0.01	8.7199	-4.4797	0.0192	0.2242	0.1032	0.1407	0.4453	-0.3047	-0.5137
51	35.80	0.01	8.7594	-4.5883	0.3534	-0.5214	0.1699	0.1479	0.4490	-0.3012	-0.5238
52	36.04	-0.00	9.9197	-4.6939	0.1202	0.1891	0.0659	0.1268	0.4497	-0.3230	-0.5262
53	36.27	0.01	9.0490	-4.9558	0.3778	-0.6787	0.2143	0.1204	0.4517	-0.3314	-0.5477
54	36.52	0.03	9.1655	-4.9133	0.5691	-0.9327	0.1882	0.1118	0.4506	-0.3389	-0.5361
55	36.75	0.01	9.1795	-4.9870	0.3068	-0.5352	0.1822	0.1290	0.4541	-0.3252	-0.5433
56	36.98	0.01	9.3041	-5.0009	0.3252	-0.4577	0.1719	0.1074	0.4487	-0.3414	-0.5375
57	37.24	-0.01	9.4448	-5.2358	0.1283	-0.1192	0.1067	0.1063	0.4473	-0.3411	-0.5544
58	37.47	0.01	9.5551	-5.3632	0.3648	-0.5509	0.1510	0.0877	0.4462	-0.3585	-0.5613
59	37.70	0.00	9.6756	-5.4672	0.2740	-0.5139	0.1677	0.0840	0.4499	-0.3659	-0.5650
60	37.94	0.02	9.7609	-5.6263	0.3661	-0.6855	0.1734	0.0767	0.4541	-0.3774	-0.5764
61	38.18	0.00	9.9611	-5.7680	0.1969	-0.3001	0.1842	0.0512	0.4478	-0.3966	-0.5790
62	38.41	-0.00	9.9934	-5.7375	0.2004	-0.2550	0.1573	0.0502	0.4471	-0.3969	-0.5741
63	38.65	0.00	10.0952	-5.9476	0.2420	-0.3231	0.1738	0.0430	0.4446	-0.4016	-0.5892
64	38.86	-0.01	10.0913	-5.9144	0.0764	-0.0136	0.1353	0.0536	0.4432	-0.3876	-0.5861
65	39.09	0.00	10.2416	-6.0933	0.2292	-0.3281	0.1256	0.0303	0.4400	-0.4097	-0.5950
66	39.34	0.01	10.4395	-6.3147	0.3206	-0.3779	0.1696	0.0134	0.4410	-0.4276	-0.6049
67	39.56	0.00	10.5061	-6.5237	0.2356	-0.2611	0.1912	0.0192	0.4417	-0.4225	-0.6209
68	39.76	0.01	10.5949	-6.5375	0.2939	-0.2670	0.1589	-0.0074	0.4396	-0.4470	-0.6170
69	40.00	-0.02	10.7443	-6.6618	-0.0027	0.0036	0.1101	-0.0229	0.4308	-0.4537	-0.6208
70	40.20	-0.01	10.8502	-6.8374	0.1424	-0.2473	0.1379	-0.0129	0.4312	-0.4441	-0.6302
71	40.41	0.01	10.9590	-6.9758	0.2542	-0.1232	0.1649	-0.0237	0.4382	-0.4469	-0.6365
72	40.61	-0.01	11.0438	-7.0106	0.1532	-0.0944	0.1110	-0.0430	0.4316	-0.4746	-0.6348
73	40.82	-0.01	11.2185	-7.2550	0.1680	0.2021	0.1536	-0.0524	0.4288	-0.4813	-0.6467
74	41.05	-0.02	11.2787	-7.3242	0.0957	0.1331	0.1325	-0.0725	0.4334	-0.5060	-0.6494
75	41.23	-0.01	11.3376	-7.4751	0.0680	0.2850	0.1374	-0.0605	0.4214	-0.4820	-0.6593
76	41.45	-0.01	11.4460	-7.5454	0.0819	0.3186	0.1277	-0.0727	0.4228	-0.4956	-0.6592
77	41.67	-0.01	11.6156	-7.8233	-0.0011	0.7256	0.1374	-0.0862	0.4168	-0.5031	-0.6735
78	41.84	-0.02	11.5220	-7.7336	-0.0135	0.4757	0.1328	-0.0917	0.4134	-0.5052	-0.6712
79	42.06	-0.01	11.7205	-7.9268	-0.0182	0.6264	0.1055	-0.1239	0.4099	-0.5338	-0.6763
80	42.25	-0.02	11.8051	-8.0031	-0.0868	0.6136	0.0496	-0.1240	0.4043	-0.5283	-0.6779
81	42.45	-0.02	11.9067	-7.6590	-0.1012	0.5704	0.0688	-0.1456	0.3959	-0.5415	-0.6432
82	42.64	-0.03	12.0058	-8.1190	-0.1711	0.9929	0.0989	-0.1460	0.3952	-0.5418	-0.6763
83	42.83	-0.02	12.1337	-7.9281	-0.1006	1.0246	0.0676	-0.1712	0.3913	-0.5625	-0.6536
84	43.00	-0.03	12.1073	-7.7341	-0.2185	0.9612	0.0683	-0.1429	0.3903	-0.5332	-0.6388
85	43.17	-0.02	11.9631	-7.2140	-0.1838	1.2005	0.0364	-0.1276	0.4039	-0.5315	-0.6038
86	43.36	-0.02	12.2911	-8.2561	-0.1161	0.9056	0.0630	-0.1853	0.3822	-0.5675	-0.6717
87	43.55	-0.02	12.2864	-7.9081	-0.2143	1.0454	0.0413	-0.1820	0.3903	-0.5723	-0.6436
88	43.73	-0.02	12.4614	-8.4100	-0.1596	0.7613	0.0425	-0.2045	0.3752	-0.5797	-0.6749
89	43.91	-0.02	12.5642	-8.5939	-0.1048	0.7099	0.0374	-0.2213	0.3686	-0.5899	-0.6840
90	44.09	-0.02	12.6295	-8.6299	-0.1613	0.7243	0.0377	-0.2322	0.3706	-0.6028	-0.6833
91	44.25	-0.03	12.6491	-8.6576	-0.2562	0.8907	0.0427	-0.2374	0.3588	-0.5962	-0.6844
92	44.47	-0.02	12.8010	-8.6016	-0.1797	0.5973	0.0226	-0.2540	0.3573	-0.6113	-0.6719

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	RX10-6	PHI	CUMF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	159	1.10	1.7	0.0	81WOF31	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
93	44.65	-0.03	12.8725	-8.5511	-0.2226	0.6570	0.0228	-0.2510	0.3573	-0.6093	-0.6643
94	44.83	-0.01	12.9049	-8.5617	0.1043	-0.3045	0.0418	-0.2514	0.3532	-0.6046	-0.6634
95	45.01	-0.04	12.6926	-7.4350	-0.3154	0.8716	0.0010	-0.1888	0.3802	-0.5690	-0.5858
96	45.18	-0.02	12.8512	-8.5419	-0.0334	0.0623	0.0356	-0.2705	0.3493	-0.6198	-0.6647
97	45.39	-0.02	13.1444	-8.6897	-0.1237	0.3220	0.0248	-0.3010	0.3499	-0.6508	-0.6611
98	45.56	-0.02	13.1184	-8.5245	-0.0355	0.2496	0.0158	-0.2869	0.3465	-0.6334	-0.6498
99	45.75	-0.04	13.0952	-7.9255	-0.1786	0.6076	0.0028	-0.2376	0.3577	-0.5953	-0.6032
100	45.92	-0.04	13.0501	-7.6789	-0.1918	0.8146	-0.0088	-0.2306	0.3548	-0.5854	-0.5884
101	46.09	-0.02	13.0859	-7.9305	-0.0673	0.7656	-0.0090	-0.2435	0.3604	-0.6039	-0.6059
102	46.27	-0.04	13.1413	-7.4428	-0.3088	1.2168	-0.0420	-0.1860	0.3628	-0.5498	-0.5664
103	46.44	-0.03	13.1820	-7.6076	-0.1795	1.0362	-0.0469	-0.1915	0.3712	-0.5627	-0.5771
104	46.60	-0.04	13.1767	-7.6553	-0.2302	0.9472	-0.0141	-0.2268	0.3666	-0.5934	-0.5810
105	46.79	-0.03	13.2168	-7.3422	-0.2029	1.0397	-0.0572	-0.1743	0.3800	-0.5543	-0.5553
106	46.96	-0.04	13.2884	-7.1070	-0.2549	1.1276	-0.0732	-0.1653	0.3879	-0.5532	-0.5348
107	47.13	-0.03	13.1603	-7.1981	-0.2754	1.1770	-0.0841	-0.1681	0.3935	-0.5616	-0.5388
108	47.30	-0.05	13.3321	-6.8584	-0.3631	1.2599	-0.0948	-0.1369	0.4093	-0.5462	-0.5144
109	47.49	-0.04	13.4633	-6.9425	-0.2713	1.0293	-0.1047	-0.1300	0.4180	-0.5480	-0.5157
110	47.66	-0.04	13.5316	-7.0988	-0.2205	0.8944	-0.1149	-0.1177	0.4193	-0.5370	-0.5246
111	47.82	-0.04	13.4947	-6.9094	-0.2859	1.1991	-0.1107	-0.1476	0.4151	-0.5627	-0.5120
112	48.02	-0.03	13.7454	-7.1679	-0.2051	0.7444	-0.1029	-0.1570	0.4266	-0.5836	-0.5215
113	48.17	-0.02	13.6356	-7.0305	-0.1324	0.8307	-0.0764	-0.1360	0.4256	-0.5616	-0.5156
114	48.35	-0.03	13.7583	-6.9556	-0.2076	0.9491	-0.0436	-0.1156	0.4358	-0.5514	-0.5094
115	48.53	-0.03	13.8565	-7.1180	-0.1631	0.9269	-0.0325	-0.1225	0.4292	-0.5517	-0.5126
116	48.68	-0.02	13.8971	-7.1103	-0.1551	1.0947	-0.0223	-0.1083	0.4503	-0.5586	-0.5117
117	48.86	-0.03	13.9202	-7.0745	-0.1782	1.0969	-0.0166	-0.1066	0.4516	-0.5582	-0.5082
118	49.04	-0.03	14.0553	-7.1502	-0.1795	1.0787	0.0056	-0.0992	0.4545	-0.5537	-0.5087
119	49.20	-0.01	14.0489	-7.0668	0.0137	0.7889	0.0445	-0.1116	0.4499	-0.5615	-0.5030
120	49.37	-0.01	14.0501	-7.0141	-0.0253	0.9325	0.0495	-0.0975	0.4428	-0.5403	-0.4992
121	49.55	-0.01	14.0593	-7.0206	-0.0216	1.0067	0.0547	-0.1056	0.4383	-0.5439	-0.4966
122	49.73	-0.00	14.0805	-6.8771	0.0254	1.2548	0.0756	-0.0889	0.4369	-0.5259	-0.4884
123	49.90	-0.00	14.2192	-7.0346	0.0229	0.9851	0.0662	-0.1161	0.4362	-0.5523	-0.4947
124	50.06	-0.00	14.0951	-6.7259	-0.0093	1.2689	0.0595	-0.0863	0.4464	-0.5328	-0.4772
125	50.24	-0.02	14.1343	-6.6191	-0.0210	1.2514	0.0599	-0.0859	0.4502	-0.5362	-0.4683
126	50.41	-0.00	14.2297	-6.8328	0.0693	1.2270	0.0546	-0.0832	0.4579	-0.5412	-0.4802
127	50.58	0.01	14.2517	-6.6508	0.2075	1.2148	0.0491	-0.0869	0.4674	-0.5544	-0.4667
128	50.74	0.00	14.1985	-6.4871	0.0910	1.1975	0.0439	-0.0777	0.4702	-0.5480	-0.4569
129	50.93	0.00	14.4060	-6.5094	0.2016	0.8612	0.0240	-0.0769	0.4803	-0.5572	-0.4519
130	51.09	0.00	14.3185	-6.5330	0.2052	0.9357	0.0288	-0.0685	0.4777	-0.5463	-0.4563
131	51.25	0.00	14.4059	-6.5994	0.2390	0.9041	0.0182	-0.0831	0.4794	-0.5626	-0.4581
132	51.43	0.01	14.6336	-6.5468	0.2462	0.8201	0.0302	-0.1144	0.4731	-0.5875	-0.4474
133	51.61	0.00	14.6131	-6.4357	0.2467	0.8199	0.0194	-0.0860	0.4730	-0.5591	-0.4404
134	51.78	0.00	14.7701	-6.5438	0.2158	0.9078	0.0196	-0.0965	0.4710	-0.5675	-0.4430
135	51.94	0.01	14.7908	-6.5548	0.3153	0.7955	0.0199	-0.0947	0.4734	-0.5632	-0.4432
136	52.11	0.01	14.7560	-6.4859	0.2473	0.8400	0.0198	-0.0997	0.4753	-0.5750	-0.4395
137	52.28	0.02	14.9373	-6.6958	0.3569	0.7001	0.0206	-0.1051	0.4816	-0.5866	-0.4483
138	52.44	0.01	14.8392	-6.6702	0.3366	0.7586	0.0091	-0.1146	0.4681	-0.5827	-0.4495

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 159 1.10 1.7				0.0	B10F31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP	
139	52.60	0.01	14.8865	-6.6487	0.3539	0.6151	0.0252	-0.1363	0.4677	-0.6040	-0.4466	
140	52.78	0.01	15.0032	-6.6449	0.2214	0.7691	0.0263	-0.1422	0.4649	-0.6071	-0.4429	
141	52.95	0.00	14.9671	-6.5970	0.2196	0.7325	0.0209	-0.1209	0.4791	-0.6000	-0.4408	
142	53.12	0.00	15.0417	-6.6799	0.1943	0.6775	0.0214	-0.1272	0.4888	-0.6159	-0.4441	
143	53.28	0.01	14.9411	-6.5428	0.2945	0.5840	0.0268	-0.1285	0.4912	-0.6196	-0.4379	
144	53.47	0.01	15.2315	-6.4079	0.2268	0.6191	0.0214	-0.1546	0.4979	-0.6524	-0.4535	
145	53.64	-0.00	15.1635	-6.8088	0.2255	0.5915	0.0219	-0.1444	0.5004	-0.6447	-0.4490	
146	53.78	-0.03	15.1680	-6.8491	-0.0498	0.6826	0.0221	-0.1527	0.5058	-0.6584	-0.4515	
147	53.97	-0.01	15.1660	-6.8560	0.1875	0.5393	0.0221	-0.1658	0.5084	-0.6742	-0.4521	
148	54.12	-0.00	15.2019	-6.9535	0.2376	0.5822	0.0272	-0.2190	0.4516	-0.6706	-0.4574	
149	54.28	-0.01	15.1835	-6.9993	0.1987	0.5009	0.0220	-0.2326	0.4498	-0.6825	-0.4610	
150	54.43	0.01	15.2280	-7.0343	0.2297	0.6695	0.0270	-0.2010	0.4642	-0.6652	-0.4619	
151	54.59	-0.01	15.2400	-6.9233	0.1465	0.6207	0.0273	-0.2510	0.4468	-0.6979	-0.4543	
152	54.73	-0.05	15.2480	-7.0729	-0.1702	0.6209	0.0223	-0.2550	0.4411	-0.6762	-0.4639	
153	54.90	-0.02	15.0975	-6.7814	0.0768	0.6365	0.0270	-0.2579	0.4267	-0.6647	-0.4492	
154	55.06	-0.02	15.2032	-6.9791	0.0985	0.5970	0.0273	-0.2730	0.4336	-0.7067	-0.4591	
155	55.22	-0.02	15.1703	-6.9716	0.0129	0.5393	0.0275	-0.2880	0.4265	-0.7146	-0.4594	
156	55.34	-0.02	15.1079	-6.8103	0.0093	0.6920	0.0269	-0.2814	0.4237	-0.7052	-0.4508	
157	55.50	-0.03	15.1910	-6.9763	-0.0540	0.6029	0.0275	-0.3006	0.4471	-0.7477	-0.4592	
158	55.65	-0.04	15.1539	-6.9319	-0.0439	0.5839	0.0219	-0.2799	0.4450	-0.7250	-0.4574	
159	55.83	-0.01	15.2683	-7.1462	0.2244	0.5121	0.0218	-0.3007	0.4529	-0.7536	-0.4680	
160	55.99	-0.01	15.3093	-7.2320	0.1877	0.7359	0.0267	-0.2986	0.4514	-0.7500	-0.4724	
161	56.15	-0.08	15.2207	-7.0022	-0.4321	0.5709	0.0228	-0.2817	0.4428	-0.7246	-0.4600	
162	56.33	-0.02	15.5154	-7.4311	0.1993	0.2476	0.0291	-0.3144	0.4604	-0.7748	-0.4789	
163	56.50	-0.07	15.5950	-7.6240	-0.2589	0.0725	0.0247	-0.3097	0.4647	-0.7744	-0.4889	
164	56.66	-0.05	15.6353	-7.5553	-0.0723	-0.3269	0.0144	-0.3108	0.4589	-0.7697	-0.4832	
165	56.80	-0.10	15.5168	-7.5023	-0.4579	-0.2193	0.0134	-0.3178	0.4561	-0.7739	-0.4835	
166	56.95	-0.08	15.5397	-7.4273	-0.3103	-0.1342	0.0248	-0.3091	0.4538	-0.7629	-0.4780	
167	57.09	-0.06	15.4301	-7.2506	-0.0982	-0.3538	0.0305	-0.3234	0.4481	-0.7715	-0.4699	
168	57.25	-0.05	15.5454	-7.4371	-0.0349	-0.1393	0.0362	-0.3520	0.4491	-0.8011	-0.4784	
169	57.40	-0.07	15.6488	-7.5674	-0.1468	-0.3659	0.0309	-0.3569	0.4525	-0.8094	-0.4836	
170	57.55	-0.03	15.6612	-7.6476	0.2477	-0.2578	0.0481	-0.3548	0.4571	-0.8119	-0.4883	
171	57.69	-0.02	15.7164	-7.8663	0.2569	-0.2955	0.0312	-0.3652	0.4645	-0.8297	-0.5005	
172	57.83	-0.03	15.7336	-7.9330	0.1367	-0.1935	0.0365	-0.3525	0.4707	-0.8232	-0.5042	
173	57.99	0.00	15.8335	-8.0655	0.4252	-0.2459	0.0311	-0.3738	0.4736	-0.8474	-0.5094	
174	58.14	-0.08	15.7974	-8.1988	-0.1010	-0.2264	0.0363	-0.4222	0.4791	-0.9014	-0.5190	
175	58.29	-0.08	15.8732	-8.4654	-0.4114	0.1832	0.0244	-0.3843	0.4938	-0.8781	-0.5333	
176	58.42	-0.06	15.8604	-8.2862	-0.0655	-0.2305	0.0252	-0.4098	0.4877	-0.8975	-0.5224	
177	58.42	-0.09	15.8672	-8.3508	-0.2016	0.0847	0.0304	-0.3976	0.4939	-0.8915	-0.5263	

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 7 159 1.10 1.7				PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
				0.0	01WOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.86	0.00	-0.0027	0.0020	0.0050	-0.7407	-1.8519	-0.9126	0.0088	-0.4406	-0.0097	0.4628
2	-5.86	0.00	-0.0028	0.0020	0.0057	-0.7143	-2.0357	-0.9153	0.0093	-0.4408	-0.0102	0.4816
3	-5.87	0.00	-0.0039	0.0020	0.0051	-0.5128	-1.3077	-0.9140	0.0091	-0.4405	-0.0100	0.4820
4	-5.83	0.02	-0.0017	0.0024	0.0059	-1.4118	-3.4706	-0.8661	0.0078	-0.4240	-0.0090	0.4895
5	-4.06	-0.00	-0.0011	0.0026	0.0053	-2.3636	-4.8182	-0.7812	0.0073	-0.3921	-0.0094	0.5019
6	-2.35	-0.01	-0.0009	0.0020	0.0044	-2.2222	-4.8889	-0.6852	0.0058	-0.3574	-0.0085	0.5216
7	-0.57	0.01	-0.0018	0.0012	0.0038	-0.6667	-2.1111	-0.5966	0.0033	-0.3226	-0.0055	0.5406
8	1.22	-0.00	0.0005	0.0011	0.0041	2.2030	8.2000	-0.4955	-0.0002	-0.2743	0.0004	0.5535
9	3.12	-0.01	0.0015	0.0015	0.0043	1.0000	2.8667	-0.4069	-0.0018	-0.2311	0.0044	0.5678
10	4.90	-0.30	-0.0034	0.0009	0.0029	-0.2647	-0.8529	-0.3197	-0.0029	-0.1896	0.0091	0.5931
11	6.79	-0.01	-0.0094	0.0014	0.0038	-0.1459	-0.4043	-0.2265	-0.0027	-0.1446	0.0119	0.6385
12	8.63	0.00	-0.0101	0.0006	0.0058	-0.0594	-0.5743	-0.1410	-0.0018	-0.1019	0.0128	0.7228
13	10.52	-0.00	-0.0119	0.0005	0.0065	-0.0420	-0.5462	-0.0645	-0.0010	-0.0625	0.0158	0.9689
14	12.42	-0.01	-0.0188	0.0007	0.0061	-0.0372	-0.3245	-0.0071	0.0003	-0.0304	-0.0423	4.2676
15	14.35	-0.00	-0.0215	0.0013	0.0082	-0.0605	-0.3814	0.0321	0.0065	-0.0127	0.2031	-0.3969
16	16.33	-0.01	-0.0320	-0.0003	0.0054	0.0094	-0.1693	0.0624	0.0133	-0.0014	0.2135	-0.0228
17	18.32	-0.01	-0.0330	0.0001	0.0081	-0.0030	-0.2462	0.1003	0.0199	0.0156	0.1988	0.1558
18	20.29	-0.01	-0.0555	0.0017	-0.0091	-0.0307	0.1643	0.1478	0.0258	0.0352	0.1742	0.2583
19	22.31	-0.01	-0.0549	0.0046	-0.0186	-0.0839	0.3394	0.2069	0.0333	0.0647	0.1462	0.3128
20	24.33	-0.32	-0.1437	0.0113	-0.0664	-0.0738	0.4623	0.2510	0.0345	0.0820	0.1373	0.3265
21	26.36	0.03	0.1530	-0.0008	0.0873	-0.0052	0.5704	0.3221	0.0307	0.1166	0.0952	0.3622
22	28.13	0.02	0.1133	0.0049	0.0619	0.0433	0.5464	0.3483	0.0312	0.1275	0.0895	0.3659
23	28.16	0.02	0.0958	0.0037	0.0548	0.0387	0.5722	0.3493	0.0314	0.1276	0.0898	0.3652
24	28.57	0.32	0.0689	0.0059	0.0429	0.0855	0.6221	0.3521	0.0316	0.1297	0.0896	0.3682
25	29.84	0.02	0.0688	0.0076	0.0419	0.1106	0.6084	0.3666	0.0315	0.1362	0.0858	0.3715
26	29.13	0.03	0.0499	0.0097	0.0323	0.1948	0.6466	0.3815	0.0306	0.1440	0.0801	0.3775
27	29.47	0.06	0.2044	0.0074	0.1061	0.0363	0.5191	0.4239	0.0266	0.1644	0.0626	0.3879
28	29.76	0.04	0.1976	0.0057	0.0966	0.0299	0.4883	0.4327	0.0264	0.1687	0.0609	0.3900
29	30.03	0.05	0.1766	0.0066	0.0835	0.0375	0.4728	0.4420	0.0260	0.1708	0.0587	0.3865
30	30.33	0.36	0.2106	0.0061	0.1083	0.0290	0.5143	0.4606	0.0239	0.1803	0.0520	0.3913
31	30.58	0.35	0.1998	0.0076	0.1031	0.0361	0.5160	0.4679	0.0233	0.1830	0.0510	0.3911
32	30.88	0.35	0.1913	0.0076	0.0973	0.0398	0.5086	0.4752	0.0242	0.1892	0.0510	0.3960
33	31.16	0.04	0.1383	0.0068	0.0772	0.0493	0.5580	0.4718	0.0262	0.1850	0.0554	0.3942
34	31.43	0.07	0.1871	0.0068	0.1034	0.0364	0.5528	0.4764	0.0256	0.1850	0.0536	0.3946
35	31.71	0.03	0.0897	0.0066	0.0545	0.0737	0.6078	0.4734	0.0284	0.1850	0.0599	0.3908
36	31.99	0.04	0.1039	0.0068	0.0651	0.0656	0.6268	0.4837	0.0272	0.1910	0.0561	0.3949
37	32.26	0.02	0.0729	0.0049	0.0478	0.0673	0.6552	0.4791	0.0280	0.1884	0.0584	0.3932
38	32.52	0.04	0.1526	0.0049	0.0845	0.0322	0.5535	0.4999	0.0271	0.1993	0.0541	0.3967
39	32.78	0.04	0.1422	0.0041	0.0859	0.0289	0.6039	0.4988	0.0268	0.1974	0.0536	0.3957
40	33.05	0.36	0.1692	0.0030	0.0978	0.0178	0.5779	0.5033	0.0265	0.1978	0.0526	0.3930
41	33.31	0.02	0.0963	0.0014	0.0651	0.0146	0.6764	0.4860	0.0289	0.1894	0.0594	0.3897
42	33.55	0.03	0.1265	0.0007	0.0789	0.0055	0.6236	0.5026	0.0275	0.1974	0.0546	0.3927
43	33.82	0.02	0.0687	0.0010	0.0495	0.0146	0.7201	0.4981	0.0291	0.1948	0.0583	0.3911
44	34.08	0.02	0.1231	0.0021	0.0752	0.0171	0.6107	0.5044	0.0287	0.1976	0.0568	0.3917
45	34.31	0.01	0.1153	0.0008	0.0745	0.0070	0.6455	0.5083	0.0283	0.1983	0.0556	0.3901
46	34.56	0.02	0.0983	0.0017	0.0627	0.0173	0.6381	0.5152	0.0285	0.2004	0.0552	0.3890

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PH1	CNF1	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 159 1.10 1.7				0.0	81WOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CHI	CBI	XCPF1	YCPF1	CNF2	CHI2	CBI2	XCPF2	YCPF2
47	34.03	0.02	0.0630	0.0022	0.0483	0.0350	0.7663	0.5215	0.0292	0.2039	0.0540	0.3910
48	35.08	0.02	0.1353	0.0028	0.0808	0.0207	0.5970	0.5338	0.0269	0.2074	0.0503	0.3886
49	35.31	0.05	0.2108	0.0066	0.1146	0.0314	0.5437	0.5494	0.0246	0.2150	0.0447	0.3914
50	35.56	-0.01	0.0798	0.0011	0.0467	0.0138	0.5854	0.5466	0.0259	0.2131	0.0473	0.3899
51	35.80	0.01	0.1048	0.0017	0.0687	0.0163	0.6558	0.5441	0.0261	0.2116	0.0479	0.3890
52	36.04	-0.00	0.0032	-0.0002	0.0121	-0.0625	3.7812	0.5442	0.0259	0.2101	0.0475	0.3861
53	36.27	0.01	0.1440	0.0053	0.0863	0.0369	0.5992	0.5582	0.0251	0.2176	0.0449	0.3899
54	36.52	0.03	0.1138	0.0027	0.0705	0.0238	0.6197	0.5643	0.0236	0.2203	0.0419	0.3903
55	36.75	0.01	0.1754	0.0058	0.0944	0.0331	0.5383	0.5757	0.0234	0.2255	0.0407	0.3916
56	36.98	0.01	0.1172	0.0045	0.0704	0.0385	0.6009	0.5699	0.0241	0.2221	0.0424	0.3897
57	37.24	-0.01	0.0762	0.0039	0.0462	0.0513	0.6066	0.5846	0.0231	0.2270	0.0396	0.3917
58	37.47	0.01	0.1365	0.0064	0.0765	0.0470	0.5602	0.5910	0.0229	0.2313	0.0388	0.3913
59	37.70	0.00	0.1556	0.0082	0.0848	0.0528	0.5448	0.5960	0.0231	0.2334	0.0388	0.3916
60	37.94	0.02	0.1322	0.0068	0.0735	0.0516	0.5557	0.6086	0.0216	0.2354	0.0356	0.3917
61	38.18	0.00	0.0973	0.0059	0.0601	0.0608	0.6179	0.6103	0.0223	0.2332	0.0366	0.3902
62	38.41	-0.00	0.1051	0.0059	0.0634	0.0562	0.6034	0.6169	0.0217	0.2407	0.0353	0.3902
63	38.65	0.00	0.1277	0.0101	0.0724	0.0793	0.5675	0.6275	0.0221	0.2444	0.0353	0.3898
64	38.86	-0.01	0.0719	0.0060	0.0491	0.0836	0.6625	0.6314	0.0215	0.2458	0.0341	0.3887
65	39.09	0.00	0.0814	0.0046	0.0510	0.0567	0.6268	0.6419	0.0208	0.2498	0.0322	0.3885
66	39.34	0.01	0.0940	0.0071	0.0582	0.0757	0.6194	0.6435	0.0215	0.2501	0.0335	0.3887
67	39.56	0.00	0.1217	0.0128	0.0701	0.1053	0.5761	0.6501	0.0227	0.2528	0.0350	0.3889
68	39.76	0.01	0.0814	0.0083	0.0507	0.1022	0.6232	0.6628	0.0207	0.2574	0.0313	0.3884
69	40.00	-0.02	0.0755	0.0082	0.0466	0.1089	0.6175	0.6729	0.0202	0.2628	0.0301	0.3908
70	40.20	-0.01	0.0877	0.0098	0.0535	0.1120	0.6103	0.6766	0.0209	0.2626	0.0308	0.3882
71	40.41	0.01	0.0908	0.0117	0.0539	0.1291	0.5938	0.6803	0.0212	0.2645	0.0312	0.3889
72	40.61	-0.01	0.0839	0.0092	0.0475	0.1094	0.5663	0.6940	0.0192	0.2703	0.0277	0.3894
73	40.82	-0.01	0.0646	0.0146	0.0403	0.2264	0.6233	0.6877	0.0222	0.2655	0.0323	0.3861
74	41.05	-0.02	0.0636	0.0139	0.0400	0.2189	0.6283	0.6942	0.0212	0.2655	0.0306	0.3865
75	41.23	-0.01	0.0540	0.0147	0.0360	0.2727	0.6660	0.7090	0.0202	0.2750	0.0286	0.3878
76	41.45	-0.01	0.0349	0.0148	0.0264	0.4253	0.7557	0.6999	0.0235	0.2700	0.0336	0.3857
77	41.67	-0.01	0.0169	0.0170	0.0173	1.0059	1.0237	0.7090	0.0230	0.2733	0.0325	0.3854
78	41.84	-0.02	0.0402	0.0158	0.0267	0.3940	0.7132	0.7132	0.0214	0.2752	0.0301	0.3858
79	42.06	-0.01	0.0005	0.0160	0.0106	32.0000	21.2000	0.7188	0.0219	0.2776	0.0305	0.3862
80	42.25	-0.02	0.0029	0.0157	0.0105	5.4138	3.6207	0.7285	0.0211	0.2808	0.0290	0.3854
81	42.45	-0.02	-0.0011	0.0056	0.0103	-5.0909	-9.3636	0.7506	0.0182	0.2922	0.0243	0.3893
82	42.64	-0.03	-0.0245	0.0109	-0.0008	-0.4467	-0.0328	0.7175	0.0272	0.2739	0.0378	0.3816
83	42.83	-0.02	-0.0430	0.0102	-0.0101	-0.2378	0.2354	0.7386	0.0234	0.2847	0.0317	0.3854
84	43.00	-0.03	-0.0379	0.0083	-0.0064	-0.2196	0.1693	0.7319	0.0257	0.2773	0.0350	0.3788
85	43.17	-0.02	-0.0419	0.0091	-0.0086	-0.2177	0.2057	0.7313	0.0277	0.2785	0.0378	0.3808
86	43.36	-0.02	-0.0437	0.0098	-0.0133	-0.2248	0.3050	0.7628	0.0233	0.2897	0.0308	0.3798
87	43.55	-0.02	-0.0502	0.0053	-0.0105	-0.1058	0.2096	0.7392	0.0289	0.2795	0.0390	0.3781
88	43.73	-0.02	-0.0321	0.0050	-0.0067	-0.1562	0.2094	0.7976	0.0176	0.3079	0.0221	0.3861
89	43.91	-0.02	-0.0269	0.0032	-0.0039	-0.1194	0.1455	0.8102	0.0156	0.3130	0.0193	0.3864
90	44.09	-0.02	-0.0661	0.0063	-0.0196	-0.0955	0.2970	0.7768	0.0230	0.2951	0.0297	0.3799
91	44.25	-0.03	-0.0700	0.0080	-0.0232	-0.1144	0.3319	0.7922	0.0215	0.3031	0.0272	0.3826
92	44.47	-0.02	-0.0558	0.0045	-0.0160	-0.0808	0.2873	0.8117	0.0195	0.3110	0.0241	0.3832

PAGE 2 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7			159	1.10	1.7	0.0	81WOF31	0.0	0	-20	0	-20 UNKNOWN
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
93	44.65	-0.03	-0.0141	0.0013	-0.0001	-0.0922	0.0071	0.8482	0.0144	0.3295	0.0170	0.3884
94	44.83	-0.01	0.0232	0.0	0.0190	0.0	0.8190	0.8633	0.0126	0.3346	0.0146	0.3876
95	45.01	-0.04	-0.0411	0.0014	-0.0084	-0.0341	0.2049	0.8147	0.0242	0.3155	0.0298	0.3873
96	45.18	-0.02	0.0164	0.0014	0.0159	0.0854	0.9695	0.8568	0.0159	0.3319	0.0156	0.3874
97	45.39	-0.02	0.0019	0.0035	0.0076	1.8421	4.0000	0.8691	0.0170	0.3362	0.0196	0.3868
98	45.56	-0.02	-0.0250	0.0034	-0.0054	-0.1365	0.2369	0.8381	0.0226	0.3199	0.0270	0.3816
99	45.75	-0.04	-0.0553	0.0017	-0.0165	-0.0308	0.2989	0.7994	0.0300	0.3043	0.0375	0.3807
100	45.92	-0.04	-0.0841	-0.0029	-0.0313	0.0346	0.3719	0.7683	0.0338	0.2864	0.0440	0.3728
101	46.08	-0.02	-0.0753	0.0	-0.0268	0.0	0.3555	0.7903	0.0316	0.2968	0.0399	0.3756
102	46.27	-0.04	-0.0870	-0.0060	-0.0324	0.0691	0.3721	0.7801	0.0346	0.2917	0.0443	0.3739
103	46.44	-0.03	-0.1041	-0.0099	-0.0378	0.0953	0.3628	0.7651	0.0356	0.2833	0.0465	0.3703
104	46.60	-0.04	-0.0765	-0.0051	-0.0233	0.0668	0.3054	0.7765	0.0349	0.2907	0.0449	0.3744
105	46.79	-0.03	-0.0904	-0.0104	-0.0300	0.1153	0.3315	0.7733	0.0355	0.2880	0.0459	0.3724
106	46.96	-0.04	-0.1116	-0.0158	-0.0387	0.1418	0.3465	0.7585	0.0372	0.2783	0.0490	0.3669
107	47.13	-0.03	-0.1113	-0.0164	-0.0366	0.1476	0.3285	0.7640	0.0375	0.2820	0.0491	0.3691
108	47.30	-0.05	-0.1102	-0.0185	-0.0378	0.1652	0.3427	0.7590	0.0375	0.2771	0.0494	0.3651
109	47.49	-0.04	-0.0807	-0.0195	-0.0215	0.2422	0.2671	0.7765	0.0354	0.2855	0.0456	0.3677
110	47.66	-0.04	-0.07507	-0.0201	-0.0082	0.3972	0.1621	0.8063	0.0327	0.2996	0.0405	0.3716
111	47.82	-0.04	-0.0591	-0.0209	-0.0276	0.2351	0.3093	0.7814	0.0362	0.2864	0.0463	0.3665
112	48.02	-0.03	-0.0250	-0.0165	-0.0003	0.6747	0.0120	0.8063	0.0355	0.2970	0.0440	0.3684
113	48.17	-0.02	-0.0443	-0.0180	-0.0074	0.4072	0.1674	0.7871	0.0364	0.2864	0.0462	0.3638
114	48.35	-0.03	-0.0303	-0.0163	-0.0050	0.5397	0.1658	0.7675	0.0374	0.2743	0.0487	0.3574
115	48.53	-0.03	-0.0246	-0.0129	-0.0044	0.5265	0.1796	0.7565	0.0360	0.2655	0.0475	0.3510
116	48.68	-0.02	-0.0283	-0.0137	-0.0065	0.4858	0.2305	0.7596	0.0364	0.2677	0.0479	0.3525
117	48.86	-0.03	-0.0329	-0.0126	-0.0089	0.3841	0.2713	0.7501	0.0364	0.2624	0.0485	0.3499
118	49.04	-0.03	-0.0142	-0.0057	-0.0029	0.4718	0.2042	0.7480	0.0375	0.2579	0.0501	0.3448
119	49.20	-0.01	0.0244	-0.0022	0.0051	-0.5000	1.1591	0.7401	0.0366	0.2533	0.0494	0.3423
120	49.37	-0.01	0.0107	0.0009	0.0068	0.0841	0.6355	0.7261	0.0347	0.2461	0.0478	0.3389
121	49.55	-0.01	0.0122	0.0053	0.0070	0.4344	0.5738	0.7254	0.0350	0.2454	0.0482	0.3383
122	49.73	-0.00	-0.0041	0.0093	-0.0036	-2.2683	0.8780	0.7057	0.0348	0.2373	0.0493	0.3362
123	49.90	-0.00	0.0044	0.0062	0.0029	1.4091	0.6391	0.7146	0.0350	0.2400	0.0489	0.3359
124	50.06	-0.00	-0.0115	0.0073	-0.0071	-0.6348	0.6174	0.6968	0.0348	0.2325	0.0499	0.3336
125	50.24	-0.02	-0.0293	0.0068	-0.0110	-0.3350	0.5419	0.6868	0.0342	0.2279	0.0498	0.3318
126	50.41	-0.00	-0.0111	0.0049	-0.0068	-0.4414	0.6126	0.7058	0.0325	0.2364	0.0460	0.3349
127	50.58	0.01	-0.0131	0.0030	-0.0070	-0.2290	0.5344	0.7039	0.0327	0.2349	0.0464	0.3337
128	50.74	0.00	0.0	0.0013	-0.0021	0.0013	-0.0021	0.7116	0.0325	0.2391	0.0456	0.3360
129	50.93	0.00	0.0209	-0.0002	0.0059	-0.0096	0.2823	0.7352	0.0319	0.2490	0.0433	0.3387
130	51.09	0.00	0.0161	-0.0003	0.0026	-0.0186	0.1615	0.7263	0.0322	0.2443	0.0443	0.3364
131	51.25	0.00	0.0157	-0.0009	0.0022	-0.0573	0.1401	0.7295	0.0318	0.2485	0.0435	0.3379
132	51.43	0.01	0.0251	0.0002	0.0059	0.0080	0.2360	0.7391	0.0315	0.2505	0.0426	0.3389
133	51.61	0.00	0.0258	-0.0006	0.0058	-0.0233	0.2257	0.7309	0.0315	0.2467	0.0430	0.3375
134	51.78	0.00	0.0186	-0.0012	0.0029	-0.0645	0.1559	0.7399	0.0308	0.2512	0.0416	0.3395
135	51.94	0.01	0.0198	-0.0015	0.0034	-0.0758	0.1717	0.7342	0.0309	0.2481	0.0420	0.3379
136	52.11	0.01	0.0152	-0.0014	0.0020	-0.0921	0.1316	0.7373	0.0312	0.2492	0.0423	0.3380
137	52.28	0.02	0.0243	-0.0018	0.0058	-0.0741	0.2387	0.7434	0.0309	0.2508	0.0419	0.3374
138	52.44	0.01	0.0221	-0.0022	0.0050	-0.0995	0.2262	0.7408	0.0309	0.2501	0.0417	0.3376

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 159 1.10 1.7				0.0	81W0F31	0.0	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CH1	CB1	KCPF1	VCPF1	CNF2	CH2	CB2	KCPF2	VCPF2	
139	52.60	0.01	0.0300	-0.0022	0.0083	-0.0736	0.2776	0.7478	0.0307	0.2533	0.0410	0.3387	
140	52.78	0.01	0.0237	-0.0022	0.0062	-0.0928	0.2616	0.7542	0.0305	0.2569	0.0404	0.3486	
141	52.95	0.00	0.0192	-0.0013	0.0039	-0.0677	0.2031	0.7562	0.0300	0.2579	0.0396	0.3411	
142	53.12	0.00	0.0175	-0.0010	0.0028	-0.0571	0.1600	0.7595	0.0301	0.2582	0.0396	0.3400	
143	53.28	0.01	0.0242	-0.0017	0.0066	-0.0702	0.2727	0.7595	0.0303	0.2589	0.0398	0.3409	
144	53.47	0.01	0.0173	-0.0004	0.0032	-0.0231	0.1850	0.7764	0.0299	0.2666	0.0385	0.3434	
145	53.64	-0.00	0.0185	-0.0004	0.0036	-0.0216	0.1946	0.7733	0.0297	0.2655	0.0384	0.3434	
146	53.78	-0.03	0.0151	0.0004	0.0017	0.0265	0.1126	0.7818	0.0291	0.2696	0.0372	0.3448	
147	53.97	-0.01	0.0162	0.0006	0.0016	0.0370	0.0988	0.7771	0.0298	0.2673	0.0383	0.3448	
148	54.12	-0.00	0.0145	0.0005	0.0019	0.0345	0.1310	0.7838	0.0300	0.2715	0.0382	0.3463	
149	54.28	-0.01	0.0111	0.0007	0.0004	0.0631	0.0360	0.7889	0.0299	0.2744	0.0379	0.3478	
150	54.43	0.01	0.0104	0.0011	0.0001	0.1058	0.0096	0.7915	0.0299	0.2751	0.0377	0.3475	
151	54.59	-0.01	0.0048	0.0007	-0.0013	0.1458	-0.2708	0.7883	0.0314	0.2731	0.0398	0.3464	
152	54.73	-0.05	0.0037	0.0010	-0.0026	0.2703	-0.7027	0.7909	0.0310	0.2741	0.0391	0.3468	
153	54.90	-0.02	-0.0004	0.0011	-0.0035	-2.7500	8.7500	0.7828	0.0325	0.2722	0.0415	0.3477	
154	55.06	-0.02	-0.0004	0.0006	-0.0027	-1.5000	6.7500	0.7815	0.0327	0.2705	0.0418	0.3461	
155	55.22	-0.02	0.0003	0.0003	-0.0032	1.0000	-10.6667	0.7922	0.0322	0.2763	0.0406	0.3487	
156	55.34	-0.02	-0.0027	0.0007	-0.0034	-0.2593	1.2593	0.7785	0.0329	0.2705	0.0422	0.3474	
157	55.50	-0.03	0.0029	0.0006	-0.0005	0.2069	-0.1724	0.7912	0.0317	0.2752	0.0400	0.3478	
158	55.65	-0.04	-0.0033	0.0013	-0.0043	-0.3939	1.3030	0.7754	0.0326	0.2688	0.0420	0.3466	
159	55.83	-0.01	-0.0045	0.0017	-0.0051	-0.3778	1.1333	0.7939	0.0325	0.2780	0.0409	0.3501	
160	55.99	-0.01	-0.0107	0.0015	-0.0078	-0.1402	0.7290	0.7993	0.0318	0.2805	0.0397	0.3509	
161	56.15	-0.08	-0.0039	0.0019	-0.0052	-0.4872	1.3333	0.7793	0.0319	0.2707	0.0409	0.3473	
162	56.33	-0.02	0.0024	0.0004	-0.0009	0.1667	-0.3750	0.8039	0.0307	0.2817	0.0381	0.3504	
163	56.50	-0.07	0.0084	-0.0012	0.0011	-0.1429	0.1310	0.8252	0.0287	0.2931	0.0347	0.3552	
164	56.66	-0.05	0.0153	-0.0018	0.0049	-0.1176	0.3203	0.8234	0.0286	0.2921	0.0347	0.3548	
165	56.80	-0.10	0.0122	-0.0004	0.0032	-0.0328	0.2623	0.8350	0.0287	0.2978	0.0343	0.3567	
166	56.95	-0.05	0.0246	-0.0018	0.0055	-0.0735	0.3469	0.8231	0.0292	0.2918	0.0354	0.3545	
167	57.09	-0.06	0.0413	-0.0036	0.0169	-0.0874	0.4102	0.8202	0.0285	0.2906	0.0347	0.3543	
168	57.25	-0.05	0.0420	-0.0038	0.0172	-0.0907	0.4105	0.8237	0.0291	0.2925	0.0353	0.3551	
169	57.40	-0.07	0.0414	-0.0033	0.0171	-0.0799	0.4140	0.8359	0.0278	0.2988	0.0332	0.3575	
170	57.55	-0.03	0.0342	-0.0042	0.0138	-0.1232	0.4047	0.8326	0.0277	0.2966	0.0332	0.3562	
171	57.69	-0.02	0.0328	-0.0029	0.0132	-0.0857	0.4037	0.8403	0.0281	0.3013	0.0334	0.3586	
172	57.83	-0.03	0.0376	-0.0033	0.0146	-0.0880	0.3893	0.8469	0.0277	0.3044	0.0327	0.3594	
173	57.99	0.00	0.0258	-0.0028	0.0114	-0.1089	0.4436	0.8470	0.0277	0.3034	0.0327	0.3582	
174	58.14	-0.09	0.0237	-0.0009	0.0100	-0.0390	0.4219	0.8575	0.0276	0.3100	0.0321	0.3616	
175	58.29	-0.08	0.0293	-0.0016	0.0114	-0.0548	0.3904	0.8661	0.0273	0.3128	0.0315	0.3612	
176	58.42	-0.06	0.0260	-0.0026	0.0100	-0.1004	0.3861	0.8537	0.0270	0.3072	0.0316	0.3599	
177	58.42	-0.09	0.0277	-0.0028	0.0120	-0.1014	0.4348	0.8530	0.0271	0.3074	0.0317	0.3604	

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-4			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 159 1.10 1.7			0.0	BIWDF31	0.0	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.86	0.00	0.0125	9.9999	0.0099	9.9999	0.7920	-0.9589	0.0020	-0.4149	-0.0021	0.4328
2	-5.86	0.00	0.0136	9.9999	0.0105	9.9999	0.7721	-0.9590	0.0022	-0.4147	-0.0023	0.4325
3	-5.87	0.00	0.0131	9.9999	0.0102	9.9999	0.7786	-0.9596	0.0021	-0.4150	-0.0022	0.4325
4	-5.83	0.02	0.0136	9.9999	0.0105	9.9999	0.7721	-0.9227	0.0013	-0.4011	-0.0014	0.4347
5	-4.06	-0.00	0.0136	9.9999	0.0109	9.9999	0.8015	-0.8373	0.0	-0.3708	0.0	0.4428
6	-2.35	-0.01	0.0119	9.9999	0.0094	9.9999	0.7499	-0.7478	-0.0008	-0.3352	0.0011	0.4482
7	-0.57	0.01	0.0183	9.9999	0.0122	9.9999	0.6667	-0.6413	-0.0021	-0.2925	0.0033	0.4561
8	1.22	-0.00	0.0178	9.9999	0.0106	9.9999	0.5955	-0.5408	-0.0041	-0.2502	0.0076	0.4627
9	3.12	-0.01	0.0242	9.9999	0.0109	9.9999	0.4504	-0.4474	-0.0060	-0.2099	0.0134	0.4692
10	4.90	-0.00	0.0226	9.9999	0.0082	9.9999	0.3628	-0.3622	-0.0057	-0.1699	0.0158	0.4692
11	6.79	-0.01	0.0274	9.9999	0.0090	9.9999	0.3297	-0.2713	-0.0045	-0.1267	0.0166	0.4669
12	8.63	0.00	0.0280	9.9999	0.0068	9.9999	0.2437	-0.1843	-0.0025	-0.0865	0.0136	0.4693
13	10.52	-0.00	0.0298	9.9999	0.0074	9.9999	0.2492	-0.1083	-0.0008	-0.0522	0.0074	0.4820
14	12.42	-0.01	0.0280	9.9999	0.0070	9.9999	0.2509	-0.0449	0.0009	-0.0202	-0.0201	0.4509
15	14.35	-0.00	0.0338	9.9999	0.0086	9.9999	0.2552	-0.0044	0.0083	-0.0014	-1.8864	0.3182
16	16.33	-0.01	0.0320	9.9999	0.0089	9.9999	0.2790	0.0328	0.0151	0.0142	0.4618	0.4343
17	18.32	-0.01	0.0285	9.9999	0.0091	9.9999	0.3204	0.0779	0.0219	0.0369	0.2819	0.4734
18	20.29	-0.01	0.0278	9.9999	0.0109	9.9999	0.3935	0.1284	0.0255	0.0645	0.1983	0.5027
19	22.31	-0.01	0.0277	9.9999	0.0120	9.9999	0.4348	0.1757	0.0305	0.0854	0.1734	0.4860
20	24.33	-0.02	0.0248	9.9999	0.0106	9.9999	0.4291	0.2487	0.0315	0.1210	0.1265	0.4867
21	26.36	0.03	0.0356	9.9999	0.0177	9.9999	0.4956	0.2196	0.0360	0.1025	0.1638	0.4667
22	28.13	0.02	0.0356	9.9999	0.0181	9.9999	0.5099	0.2523	0.0341	0.1187	0.1430	0.4704
23	28.16	0.02	0.0276	9.9999	0.0138	9.9999	0.5018	0.2552	0.0356	0.1209	0.1394	0.4739
24	28.57	0.02	0.0395	9.9999	0.0220	9.9999	0.5584	0.2771	0.0351	0.1323	0.1266	0.4774
25	28.84	0.02	0.0310	9.9999	0.0163	9.9999	0.5275	0.2854	0.0353	0.1371	0.1236	0.4803
26	29.13	0.03	0.0309	9.9999	0.0181	9.9999	0.5877	0.2897	0.0348	0.1395	0.1200	0.4815
27	29.47	0.06	0.0411	9.9999	0.0237	9.9999	0.5780	0.2770	0.0370	0.1328	0.1335	0.4794
28	29.76	0.04	0.0383	9.9999	0.0217	9.9999	0.5681	0.2860	0.0371	0.1371	0.1298	0.4793
29	30.03	0.05	0.0428	9.9999	0.0246	9.9999	0.5738	0.2971	0.0369	0.1436	0.1241	0.4833
30	30.33	0.06	0.0434	9.9999	0.0237	9.9999	0.5473	0.3231	0.0364	0.1552	0.1126	0.4805
31	30.58	0.05	0.0377	9.9999	0.0207	9.9999	0.5505	0.3274	0.0364	0.1578	0.1111	0.4821
32	30.88	0.05	0.0462	9.9999	0.0267	9.9999	0.5770	0.3416	0.0353	0.1655	0.1033	0.4846
33	31.16	0.04	0.0423	9.9999	0.0224	9.9999	0.5308	0.3598	0.0344	0.1755	0.0955	0.4876
34	31.43	0.07	0.0456	9.9999	0.0253	9.9999	0.5538	0.3613	0.0342	0.1753	0.0946	0.4850
35	31.71	0.03	0.0320	9.9999	0.0168	9.9999	0.5266	0.3980	0.0325	0.1930	0.0816	0.4849
36	31.99	0.04	0.0331	9.9999	0.0181	9.9999	0.5485	0.3950	0.0328	0.1921	0.0830	0.4863
37	32.26	0.02	0.0348	9.9999	0.0191	9.9999	0.5504	0.4061	0.0321	0.1983	0.0790	0.4833
38	32.52	0.04	0.0354	9.9999	0.0196	9.9999	0.5552	0.4094	0.0321	0.1990	0.0783	0.4836
39	32.78	0.04	0.0365	9.9999	0.0195	9.9999	0.5357	0.4210	0.0316	0.2033	0.0750	0.4830
40	31.05	0.06	0.0382	9.9999	0.0207	9.9999	0.5433	0.4229	0.0317	0.2042	0.0749	0.4829
41	33.31	0.02	0.0349	9.9999	0.0182	9.9999	0.5230	0.4637	0.0282	0.2221	0.0607	0.4788
42	33.55	0.03	0.0331	9.9999	0.0178	9.9999	0.5394	0.4619	0.0286	0.2209	0.0618	0.4781
43	33.92	0.02	0.0308	9.9999	0.0163	9.9999	0.5309	0.4817	0.0268	0.2293	0.0555	0.4760
44	34.08	0.02	0.0359	9.9999	0.0192	9.9999	0.5363	0.4953	0.0262	0.2362	0.0528	0.4768
45	34.31	0.01	0.0354	9.9999	0.0182	9.9999	0.5156	0.4984	0.0257	0.2370	0.0515	0.4755
46	34.56	0.02	0.0349	9.9999	0.0178	9.9999	0.5115	0.5172	0.0245	0.2440	0.0473	0.4718

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TFST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 159 1.10 1.7			0.0	B1V0F31	0.0	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CM3	CB3	XCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4
47	34.33	0.02	0.0275	9.9999	0.0138	9.9999	0.5036	0.5272	0.0236	0.2478	0.0449	0.4701
48	35.08	0.02	0.0377	9.9999	0.0214	9.9999	0.5691	0.5285	0.0235	0.2488	0.0446	0.4708
49	35.31	0.05	0.0372	9.9999	0.0189	9.9999	0.5094	0.5273	0.0241	0.2475	0.0458	0.4694
50	35.56	-0.01	0.0287	9.9999	0.0139	9.9999	0.4860	0.5466	0.0223	0.2551	0.0409	0.4667
51	35.80	0.01	0.0356	9.9999	0.0176	9.9999	0.4958	0.5457	0.0226	0.2544	0.0415	0.4662
52	36.04	-0.00	0.0333	9.9999	0.0170	9.9999	0.5120	0.5687	0.0206	0.2632	0.0361	0.4629
53	36.27	0.01	0.0362	9.9999	0.0188	9.9999	0.5208	0.5688	0.0211	0.2621	0.0372	0.4609
54	36.52	0.03	0.0419	9.9999	0.0209	9.9999	0.5000	0.5720	0.0205	0.2636	0.0359	0.4609
55	36.75	0.01	0.0344	9.9999	0.0185	9.9999	0.5394	0.5760	0.0205	0.2644	0.0357	0.4591
56	36.98	0.01	0.0390	9.9999	0.0211	9.9999	0.5424	0.5912	0.0190	0.2703	0.0322	0.4571
57	37.24	-0.01	0.0379	9.9999	0.0201	9.9999	0.5317	0.6030	0.0184	0.2753	0.0306	0.4565
58	37.47	0.01	0.0425	9.9999	0.0223	9.9999	0.5259	0.6036	0.0184	0.2751	0.0305	0.4557
59	37.70	0.00	0.0368	9.9999	0.0192	9.9999	0.5232	0.6062	0.0179	0.2761	0.0296	0.4554
60	37.94	0.02	0.0334	9.9999	0.0177	9.9999	0.5315	0.6068	0.0180	0.2755	0.0297	0.4539
61	38.18	0.00	0.0334	9.9999	0.0173	9.9999	0.5195	0.6244	0.0162	0.2821	0.0260	0.4518
62	38.41	-0.00	0.0334	9.9999	0.0175	9.9999	0.5255	0.6284	0.0162	0.2831	0.0258	0.4505
63	38.65	0.00	0.0305	9.9999	0.0152	9.9999	0.5000	0.6397	0.0153	0.2878	0.0240	0.4499
64	38.86	-0.01	0.0322	9.9999	0.0165	9.9999	0.5140	0.6509	0.0146	0.2920	0.0225	0.4486
65	39.09	0.00	0.0414	9.9999	0.0218	9.9999	0.5278	0.6493	0.0157	0.2908	0.0242	0.4478
66	39.34	0.01	0.0380	9.9999	0.0193	9.9999	0.5092	0.6619	0.0143	0.2954	0.0217	0.4463
67	39.56	0.00	0.0323	9.9999	0.0161	9.9999	0.5000	0.6786	0.0126	0.3026	0.0186	0.4460
68	39.76	0.01	0.0346	9.9999	0.0176	9.9999	0.5101	0.6761	0.0138	0.3004	0.0205	0.4443
69	40.00	-0.02	0.0254	9.9999	0.0123	9.9999	0.4862	0.6857	0.0134	0.3046	0.0196	0.4442
70	40.20	-0.01	0.0334	9.9999	0.0175	9.9999	0.5255	0.6971	0.0125	0.3088	0.0180	0.4430
71	40.41	0.01	0.0358	9.9999	0.0172	9.9999	0.4818	0.7062	0.0113	0.3130	0.0160	0.4432
72	40.61	-0.01	0.0352	9.9999	0.0167	9.9999	0.4758	0.7032	0.0129	0.3178	0.0184	0.4420
73	40.82	-0.01	0.0369	9.9999	0.0173	9.9999	0.4701	0.7379	0.0085	0.3262	0.0115	0.4420
74	41.05	-0.02	0.0409	9.9999	0.0206	9.9999	0.5049	0.7382	0.0089	0.3258	0.0121	0.4410
75	41.23	-0.01	0.0277	9.9999	0.0132	9.9999	0.4783	0.7498	0.0083	0.3294	0.0111	0.4393
76	41.45	-0.01	0.0335	9.9999	0.0150	9.9999	0.4491	0.7562	0.0104	0.3303	0.0138	0.4367
77	41.67	-0.01	0.0323	9.9999	0.0156	9.9999	0.4845	0.7826	0.0057	0.3422	0.0073	0.4373
78	41.84	-0.02	0.0363	9.9999	0.0175	9.9999	0.4834	0.7710	0.0068	0.3373	0.0088	0.4375
79	42.06	-0.01	0.0420	9.9999	0.0216	9.9999	0.5155	0.7979	0.0042	0.3470	0.0053	0.4344
80	42.25	-0.02	0.0266	9.9999	0.0124	9.9999	0.4679	0.7906	0.0049	0.3435	0.0062	0.4345
81	42.45	-0.02	0.0312	9.9999	0.0144	9.9999	0.4630	0.7728	0.0115	0.3336	0.0149	0.4317
82	42.64	-0.03	0.0306	9.9999	0.0141	9.9999	0.4623	0.7691	0.0185	0.3275	0.0241	0.4258
83	42.83	-0.02	0.0329	9.9999	0.0154	9.9999	0.4695	0.8034	0.0104	0.3444	0.0130	0.4267
84	43.00	-0.03	0.0358	9.9999	0.0159	9.9999	0.4454	0.7774	0.0154	0.3315	0.0199	0.4264
85	43.17	-0.02	0.0363	9.9999	0.0171	9.9999	0.4724	0.7856	0.0178	0.3362	0.0227	0.4279
86	43.36	-0.02	0.0277	9.9999	0.0125	9.9999	0.4529	0.8150	0.0107	0.3488	0.0132	0.4280
87	43.55	-0.02	0.0334	9.9999	0.0166	9.9999	0.4985	0.7688	0.0226	0.3234	0.0295	0.4206
88	43.73	-0.02	0.0323	9.9999	0.0154	9.9999	0.4743	0.8175	0.0095	0.3505	0.0116	0.4288
89	43.91	-0.02	0.0363	9.9999	0.0173	9.9999	0.4779	0.8138	0.0106	0.3482	0.0131	0.4279
90	44.09	-0.02	0.0425	9.9999	0.0226	9.9999	0.5330	0.8235	0.0139	0.3509	0.0169	0.4261
91	44.25	-0.03	0.0312	9.9999	0.0141	9.9999	0.4534	0.8438	0.0093	0.3589	0.0110	0.4254
92	44.47	-0.02	0.0300	9.9999	0.0143	9.9999	0.4783	0.8311	0.0122	0.3533	0.0147	0.4251

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	Rx10-6	PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	159	1.10	1.7	0.0	81W0F31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	44.65	-0.03	0.0277	9.9999	0.0129	9.9999	0.4674	0.8208	0.0140	0.3497	0.0171	0.4261
94	44.83	-0.01	0.0329	9.9999	0.0147	9.9999	0.4482	0.8145	0.0164	0.3466	0.0202	0.4254
95	45.01	-0.04	0.0213	9.9999	0.0088	9.9999	0.4131	0.7992	0.0239	0.3376	0.0288	0.4224
96	45.18	-0.02	0.0323	9.9999	0.0147	9.9999	0.4565	0.8198	0.0175	0.3469	0.0214	0.4232
97	45.39	-0.02	0.0312	9.9999	0.0146	9.9999	0.4695	0.8423	0.0167	0.3558	0.0199	0.4224
98	45.56	-0.02	0.0277	9.9999	0.0143	9.9999	0.5181	0.8272	0.0199	0.3467	0.0241	0.4191
99	45.75	-0.04	0.0368	9.9999	0.0194	9.9999	0.5286	0.8016	0.0271	0.3344	0.0337	0.4171
100	45.92	-0.04	0.0260	9.9999	0.0117	9.9999	0.4517	0.7571	0.0321	0.3113	0.0424	0.4112
101	46.08	-0.02	0.0427	9.9999	0.0210	9.9999	0.4930	0.7386	0.0281	0.3323	0.0351	0.4161
102	46.27	-0.04	0.0196	9.9999	0.0082	9.9999	0.4184	0.7488	0.0344	0.3062	0.0459	0.4089
103	46.44	-0.03	0.0306	9.9999	0.0136	9.9999	0.4459	0.7312	0.0347	0.2963	0.0474	0.4052
104	46.60	-0.04	0.0249	9.9999	0.0102	9.9999	0.4113	0.7471	0.0338	0.3044	0.0452	0.4075
105	46.79	-0.03	0.0324	9.9999	0.0138	9.9999	0.4272	0.7336	0.0368	0.2959	0.0501	0.4034
106	46.96	-0.04	0.0346	9.9999	0.0162	9.9999	0.4696	0.7106	0.0387	0.2841	0.0544	0.3998
107	47.13	-0.03	0.0364	9.9999	0.0171	9.9999	0.4711	0.7096	0.0390	0.2816	0.0549	0.3968
108	47.30	-0.05	0.0290	9.9999	0.0117	9.9999	0.4048	0.6875	0.0412	0.2705	0.0599	0.3934
109	47.49	-0.04	0.0319	9.9999	0.0126	9.9999	0.3962	0.6731	0.0404	0.2625	0.0600	0.3901
110	47.66	-0.04	0.0159	9.9999	0.0143	9.9999	0.3994	0.6603	0.0385	0.2527	0.0583	0.3826
111	47.82	-0.04	0.0319	9.9999	0.0133	9.9999	0.4182	0.6759	0.0408	0.2620	0.0603	0.3877
112	48.02	-0.03	0.0313	9.9999	0.0128	9.9999	0.4103	0.6777	0.0370	0.2587	0.0546	0.3818
113	48.17	-0.02	0.0353	9.9999	0.0152	9.9999	0.4318	0.6725	0.0375	0.2558	0.0557	0.3804
114	48.35	-0.03	0.0325	9.9999	0.0140	9.9999	0.4321	0.6855	0.0376	0.2600	0.0548	0.3793
115	48.53	-0.03	0.0336	9.9999	0.0144	9.9999	0.4299	0.6973	0.0389	0.2663	0.0558	0.3820
116	48.68	-0.02	0.0233	9.9999	0.0076	9.9999	0.3262	0.6319	0.0390	0.2629	0.0563	0.3800
117	48.86	-0.03	0.0325	9.9999	0.0136	9.9999	0.4198	0.7030	0.0396	0.2673	0.0563	0.3803
118	49.04	-0.03	0.0290	9.9999	0.0140	9.9999	0.4844	0.7049	0.0403	0.2668	0.0571	0.3785
119	49.20	-0.01	0.0285	9.9999	0.0112	9.9999	0.3944	0.7068	0.0403	0.2670	0.0570	0.3778
120	49.37	-0.01	0.0290	9.9999	0.0126	9.9999	0.4160	0.7187	0.0397	0.2714	0.0552	0.3776
121	49.55	-0.01	0.0308	9.9999	0.0125	9.9999	0.4072	0.7293	0.0389	0.2756	0.0533	0.3779
122	49.73	-0.00	0.0314	9.9999	0.0126	9.9999	0.4025	0.7419	0.0382	0.2811	0.0515	0.3788
123	49.90	-0.00	0.0320	9.9999	0.0124	9.9999	0.3887	0.7338	0.0390	0.2761	0.0531	0.3762
124	50.06	-0.00	0.0349	9.9999	0.0140	9.9999	0.4023	0.7400	0.0380	0.2775	0.0513	0.3749
125	50.24	-0.02	0.0337	9.9999	0.0151	9.9999	0.4494	0.7343	0.0378	0.2745	0.0514	0.3738
126	50.41	-0.00	0.0373	9.9999	0.0156	9.9999	0.4194	0.7423	0.0373	0.2769	0.0502	0.3730
127	50.58	0.01	0.0413	9.9999	0.0185	9.9999	0.4490	0.7360	0.0369	0.2741	0.0501	0.3724
128	50.74	0.00	0.0280	9.9999	0.0112	9.9999	0.4014	0.7049	0.0363	0.2600	0.0515	0.3689
129	50.93	0.00	0.0361	9.9999	0.0160	9.9999	0.4444	0.6944	0.0355	0.2562	0.0511	0.3690
130	51.09	0.00	0.0362	9.9999	0.0151	9.9999	0.4183	0.6973	0.0352	0.2573	0.0504	0.3690
131	51.25	0.00	0.0321	9.9999	0.0131	9.9999	0.4094	0.6891	0.0362	0.2531	0.0525	0.3673
132	51.43	0.01	0.0258	9.9999	0.0092	9.9999	0.3580	0.6873	0.0365	0.2523	0.0531	0.3671
133	51.61	0.00	0.0356	9.9999	0.0157	9.9999	0.4423	0.6811	0.0365	0.2499	0.0540	0.3669
134	51.78	0.00	0.0321	9.9999	0.0141	9.9999	0.4406	0.6958	0.0365	0.2563	0.0526	0.3684
135	51.94	0.01	0.0396	9.9999	0.0179	9.9999	0.4532	0.6947	0.0370	0.2546	0.0532	0.3665
136	52.11	0.01	0.0391	9.9999	0.0174	9.9999	0.4462	0.7004	0.0372	0.2568	0.0531	0.3667
137	52.28	0.02	0.0351	9.9999	0.0153	9.9999	0.4371	0.6985	0.0366	0.2556	0.0524	0.3659
138	52.44	0.01	0.0432	9.9999	0.0203	9.9999	0.4710	0.6996	0.0368	0.2560	0.0526	0.3659

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 159 1.10 1.7				0.0	BIWOF31	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	VCPF3	CNF4	CH4	CB4	XCPF4	VCPF4
139	52.60	0.01	0.0340	9.9999	0.0145	9.9999	0.4277	0.6980	0.0364	0.2554	0.0521	0.3659
140	52.78	0.01	0.0293	9.9999	0.0120	9.9999	0.4110	0.7043	0.0361	0.2540	0.0512	0.3663
141	52.95	0.00	0.0317	9.9999	0.0127	9.9999	0.4019	0.7121	0.0356	0.2610	0.0509	0.3666
142	53.12	0.00	0.0398	9.9999	0.0187	9.9999	0.4710	0.7236	0.0354	0.2657	0.0489	0.3673
143	53.28	0.01	0.0370	9.9999	0.0152	9.9999	0.4119	0.7157	0.0359	0.2616	0.0501	0.3656
144	53.47	0.01	0.0329	9.9999	0.0140	9.9999	0.4268	0.7383	0.0349	0.2706	0.0472	0.3664
145	53.64	-0.00	0.0335	9.9999	0.0147	9.9999	0.4401	0.7373	0.0346	0.2704	0.0469	0.3667
146	53.78	-0.03	0.0319	9.9999	0.0130	9.9999	0.4101	0.7481	0.0344	0.2746	0.0459	0.3670
147	53.97	-0.01	0.0376	9.9999	0.0169	9.9999	0.4507	0.7506	0.0345	0.2740	0.0459	0.3650
148	54.12	-0.00	0.0336	9.9999	0.0148	9.9999	0.4418	0.7584	0.0344	0.2769	0.0453	0.3651
149	54.28	-0.01	0.0330	9.9999	0.0140	9.9999	0.4255	0.7665	0.0350	0.2798	0.0456	0.3650
150	54.43	0.01	0.0266	9.9999	0.0112	9.9999	0.4226	0.7647	0.0341	0.2799	0.0446	0.3660
151	54.59	-0.01	0.0355	9.9999	0.0152	9.9999	0.4294	0.7769	0.0350	0.2838	0.0450	0.3653
152	54.73	-0.05	0.0325	9.9999	0.0143	9.9999	0.4414	0.7791	0.0347	0.2846	0.0445	0.3653
153	54.90	-0.02	0.0284	9.9999	0.0114	9.9999	0.4028	0.7730	0.0355	0.2812	0.0459	0.3638
154	55.06	-0.02	0.0302	9.9999	0.0134	9.9999	0.4452	0.7743	0.0362	0.2817	0.0467	0.3638
155	55.22	-0.02	0.0291	9.9999	0.0117	9.9999	0.4034	0.7821	0.0361	0.2847	0.0461	0.3648
156	55.34	-0.02	0.0337	9.9999	0.0163	9.9999	0.4851	0.7795	0.0361	0.2837	0.0463	0.3639
157	55.50	-0.03	0.0274	9.9999	0.0104	9.9999	0.3810	0.7791	0.0359	0.2835	0.0459	0.3639
158	55.65	-0.04	0.0285	9.9999	0.0123	9.9999	0.4331	0.7704	0.0358	0.2802	0.0464	0.3637
159	55.83	-0.01	0.0297	9.9999	0.0136	9.9999	0.4595	0.7899	0.0355	0.2879	0.0449	0.3645
160	55.99	-0.01	0.0219	9.9999	0.0097	9.9999	0.4429	0.7944	0.0358	0.2891	0.0450	0.3639
161	56.15	-0.08	0.0339	9.9999	0.0149	9.9999	0.4408	0.7815	0.0359	0.2834	0.0459	0.3626
162	56.33	-0.02	0.0310	9.9999	0.0126	9.9999	0.4078	0.7960	0.0353	0.2897	0.0443	0.3627
163	56.50	-0.07	0.0299	9.9999	0.0111	9.9999	0.3725	0.8132	0.0350	0.2957	0.0430	0.3634
164	56.66	-0.05	0.0334	9.9999	0.0142	9.9999	0.4264	0.8046	0.0354	0.2911	0.0440	0.3618
165	56.80	-0.10	0.0269	9.9999	0.0111	9.9999	0.4142	0.8200	0.0343	0.2982	0.0418	0.3637
166	56.95	-0.09	0.0257	9.9999	0.0110	9.9999	0.4297	0.8006	0.0358	0.2899	0.0447	0.3608
167	57.09	-0.06	0.0306	9.9999	0.0124	9.9999	0.4066	0.7834	0.0355	0.2814	0.0453	0.3592
168	57.25	-0.05	0.0348	9.9999	0.0149	9.9999	0.4294	0.7896	0.0359	0.2837	0.0454	0.3593
169	57.40	-0.07	0.0301	9.9999	0.0124	9.9999	0.4133	0.8027	0.0358	0.2894	0.0446	0.3605
170	57.55	-0.03	0.0240	9.9999	0.0100	9.9999	0.4167	0.8040	0.0356	0.2902	0.0442	0.3609
171	57.69	-0.02	0.0350	9.9999	0.0140	9.9999	0.4011	0.8140	0.0353	0.2943	0.0433	0.3616
172	57.83	-0.03	0.0344	9.9999	0.0137	9.9999	0.3994	0.8152	0.0341	0.2948	0.0418	0.3616
173	57.99	0.00	0.0373	9.9999	0.0172	9.9999	0.4624	0.8275	0.0347	0.2997	0.0419	0.3622
174	58.14	-0.08	0.0301	9.9999	0.0121	9.9999	0.4033	0.8377	0.0341	0.3040	0.0407	0.3629
175	58.29	-0.08	0.0326	9.9999	0.0138	9.9999	0.4246	0.8447	0.0338	0.3067	0.0400	0.3631
176	58.42	-0.06	0.0428	9.9999	0.0189	9.9999	0.4426	0.8478	0.0342	0.3068	0.0403	0.3619
177	58.42	-0.09	0.0375	9.9999	0.0154	9.9999	0.4118	0.8404	0.0353	0.3035	0.0420	0.3612

PAGE 1 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 160 0.80 1.7 0.0 B1WOF 34 0.0 0 -20 0 -20 UNKNOWN

POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	XCP
1	-5.77	0.01	3.7612	11.4203	-0.0611	0.1050	-0.0159	1.4269	0.4142	1.0127	-3.7307
2	-5.77	0.01	3.3911	11.5313	-0.0314	-0.1441	0.0105	1.4337	0.4110	1.0227	-3.7305
3	-5.78	0.01	-3.0407	11.3688	-0.0212	0.0023	-0.0112	1.4224	0.4106	1.0118	-3.7389
4	-5.77	0.01	-3.3799	11.4692	0.0285	-0.2136	0.0112	1.4260	0.4110	1.0150	-3.7239
5	-5.87	0.01	-3.0521	11.3931	0.0420	-0.2263	0.0260	1.4176	0.4049	1.0127	-3.7329
6	-4.96	0.01	-3.0174	11.6149	0.0285	-0.2139	0.0264	1.3979	0.3661	1.0318	-3.8493
7	-3.22	0.01	-3.0247	12.1559	-0.0147	-0.1333	0.0195	1.3497	0.2829	1.0668	-4.0169
8	-1.54	0.01	-2.7894	11.6496	0.0125	-0.1932	0.0199	1.2757	0.2404	1.0352	-4.1765
9	0.17	0.00	-2.5550	11.0535	-0.0117	-0.1114	0.0127	1.2107	0.2132	0.9975	-4.3262
10	1.83	-0.00	-2.4775	11.2823	-0.0838	-0.0161	-0.0312	1.1983	0.2032	0.9951	-4.5539
11	3.52	0.01	-2.3291	11.0935	0.0010	-0.1350	-0.0019	1.1393	0.1926	0.9467	-4.7638
12	5.19	-0.00	-2.0968	10.5375	-0.0136	-0.1211	-0.0155	1.0674	0.1797	0.8877	-5.0255
13	6.94	-0.00	-1.7294	9.5172	0.0002	-0.1737	-0.0151	0.9701	0.1673	0.8028	-5.5147
14	8.63	0.00	-1.2533	8.0929	-0.0296	-0.1469	-0.0302	0.8430	0.1587	0.6844	-6.4576
15	10.37	-0.01	-0.5827	5.9784	-0.0443	-0.1351	0.0148	0.6894	0.1559	0.5335	-10.2597
16	12.14	-0.00	0.1175	3.8796	0.0015	-0.1399	0.0078	0.5408	0.1545	0.3863	33.0199
17	13.92	0.00	0.7216	2.0328	0.0598	-0.2353	0.0156	0.4034	0.1554	0.2480	2.8171
18	15.77	-0.00	1.2348	0.7598	0.0141	-0.1935	0.0384	0.3012	0.1611	0.1401	0.6153
19	17.63	-0.00	1.7163	-0.4691	-0.0009	-0.2070	0.0537	0.1918	0.1660	0.0258	-0.2733
20	19.45	-0.01	2.3043	-1.9316	-0.0740	-0.1164	0.1429	0.0553	0.1741	-0.1188	-0.6383
21	21.30	-0.01	2.9742	-3.5779	-0.1854	-0.0424	0.3434	-0.0955	0.1754	-0.2709	-1.2030
22	23.20	-0.01	3.6915	-5.4853	-0.1554	-0.0128	0.3068	-0.2578	0.1788	-0.4348	-1.4859
23	25.06	-0.02	4.3915	-7.3778	-0.2070	0.1251	0.2698	-0.4031	0.1788	-0.5819	-1.6800
24	26.96	0.03	5.0542	-8.5324	0.4195	-0.9823	0.0210	-0.5145	0.1807	-0.6952	-1.6882
25	27.88	0.03	5.2247	-8.8279	0.4478	-1.1165	0.0734	-0.5548	0.1826	-0.7374	-1.6896
26	27.93	0.03	5.2959	-8.9492	0.4778	-1.1597	0.0986	-0.5592	0.1845	-0.7437	-1.6898
27	28.33	0.04	5.3828	-9.0335	0.6455	-1.4858	0.0894	-0.5533	0.1878	-0.7411	-1.6782
28	29.63	0.03	5.4414	-9.1351	0.5755	-1.3572	0.1414	-0.5652	0.1912	-0.7564	-1.6788
29	28.89	0.04	5.5194	-9.1985	0.7267	-1.6959	0.2316	-0.5464	0.1940	-0.7404	-1.6666
30	29.21	0.04	5.5987	-9.3781	0.6770	-1.5216	0.2393	-0.5559	0.1988	-0.7547	-1.6758
31	29.51	0.04	5.6910	-9.4513	0.7545	-1.7783	0.2546	-0.5641	0.2016	-0.7657	-1.6608
32	29.79	0.05	5.7682	-9.4514	0.8485	-1.8326	0.3452	-0.5503	0.2088	-0.7591	-1.6385
33	30.05	0.06	5.8294	-9.4621	1.0127	-2.2216	0.3610	-0.5386	0.2146	-0.7532	-1.6232
34	30.31	0.07	5.8517	-9.3543	1.0416	-2.2654	0.4657	-0.5154	0.2223	-0.7377	-1.5988
35	30.60	0.06	5.8927	-9.3454	0.9228	-1.9057	0.4505	-0.4943	0.2271	-0.7214	-1.5859
36	30.85	0.06	5.9401	-9.3088	0.9219	-1.9192	0.4333	-0.4857	0.2358	-0.7215	-1.5671
37	31.13	0.05	6.0395	-9.3611	0.8112	-1.6692	0.4137	-0.4712	0.2426	-0.7139	-1.5530
38	31.41	0.06	6.1014	-9.3734	0.9407	-1.8704	0.4591	-0.4712	0.2464	-0.7177	-1.5363
39	31.66	0.07	6.1725	-9.5012	0.9732	-1.8622	0.4667	-0.4819	0.2522	-0.7341	-1.5393
40	31.95	0.07	6.3175	-9.4120	1.0694	-2.0839	0.5126	-0.4873	0.2541	-0.7414	-1.4898
41	32.20	0.08	6.1932	-9.3948	1.1587	-2.4012	0.4911	-0.4786	0.2603	-0.7390	-1.4695
42	32.46	0.09	6.5032	-9.3402	1.3304	-2.6366	0.4687	-0.4996	0.2642	-0.7638	-1.4362
43	32.73	0.09	6.5919	-9.3314	1.3533	-2.7604	0.4247	-0.4928	0.2724	-0.7652	-1.4156
44	32.98	0.09	6.7180	-9.4148	1.3658	-2.8143	0.5145	-0.4976	0.2752	-0.7728	-1.4016
45	33.22	0.08	6.7668	-9.4807	1.2051	-2.3737	0.4098	-0.5198	0.2786	-0.7984	-1.4011
46	33.47	0.09	6.8337	-9.5015	1.3153	-2.6244	0.5296	-0.4928	0.2873	-0.7801	-1.3904

PAGE 1 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION			
7			160	0.80	1.7	0.0	BLWOF34	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CN	CLN	CV	CLW	CLL	CA	CAB	CAP	MCP		
47	33.73	0.10	6.9571	-9.6091	1.4442	-2.5760	0.5810	-0.5177	0.2893	-0.8959	-1.3812		
48	33.97	0.10	7.0497	-9.5691	1.3776	-2.3968	0.5886	-0.5233	0.2964	-0.8196	-1.3574		
49	34.22	0.11	7.1556	-9.6051	1.5386	-2.5584	0.5881	-0.5343	0.2996	-0.8338	-1.3423		
50	34.47	0.11	7.2427	-9.7079	1.5469	-2.6569	0.5885	-0.5367	0.3073	-0.8439	-1.3404		
51	34.71	0.12	7.3314	-9.8133	1.6739	-2.4793	0.6109	-0.5262	0.3197	-0.8455	-1.3385		
52	34.96	0.12	7.4633	-9.9597	1.4794	-2.3654	0.5804	-0.5443	0.3248	-0.8691	-1.3345		
53	35.18	0.11	7.5558	-9.9019	1.6263	-2.6254	0.5812	-0.5550	0.3234	-0.8784	-1.3105		
54	35.44	0.11	7.6646	-9.8011	1.6446	-2.7968	0.5747	-0.5553	0.3287	-0.8840	-1.2788		
55	35.67	0.09	7.6712	-9.7915	1.4054	-2.9662	0.4950	-0.5611	0.3313	-0.8924	-1.2764		
56	35.90	0.11	7.8528	-9.9338	1.6728	-3.2055	0.5231	-0.5765	0.3394	-0.9159	-1.2650		
57	36.13	0.11	7.8360	-9.8563	1.5455	-3.1727	0.5147	-0.5696	0.3421	-0.9117	-1.2578		
58	36.36	0.11	7.9422	-9.8847	1.6879	-2.9603	0.5592	-0.5622	0.3540	-0.9162	-1.2446		
59	36.60	0.11	8.0710	-10.0727	1.5504	-2.6762	0.5370	-0.5675	0.3612	-0.9287	-1.2480		
60	36.85	0.11	8.1461	-10.0379	1.5605	-2.7499	0.5374	-0.5771	0.3560	-0.9331	-1.2322		
61	37.07	0.10	8.2561	-10.2196	1.4552	-2.8384	0.4557	-0.6108	0.3515	-0.9623	-1.2378		
62	37.30	0.10	8.3906	-10.3988	1.4599	-2.3702	0.5217	-0.6183	0.3566	-0.9749	-1.2393		
63	37.55	0.11	8.5187	-10.5613	1.5882	-2.1168	0.5134	-0.6119	0.3668	-0.9787	-1.2398		
64	37.77	0.12	8.6947	-10.8435	1.6077	-1.6749	0.5425	-0.6080	0.3810	-0.9890	-1.2472		
65	38.02	0.12	8.8759	-10.9857	1.5094	-1.2328	0.5713	-0.6060	0.3910	-0.9973	-1.2377		
66	38.25	0.12	8.9902	-11.1071	1.5459	-1.4359	0.5504	-0.6189	0.3962	-1.0151	-1.2355		
67	38.49	0.13	9.1253	-11.1752	1.6374	-1.4704	0.5581	-0.6263	0.3962	-1.0225	-1.2246		
68	38.68	0.13	9.1860	-11.2430	1.5541	-0.9605	0.5858	-0.6237	0.4029	-1.0268	-1.2239		
69	38.92	0.14	9.4180	-11.5463	1.7119	-1.2250	0.5357	-0.6423	0.4077	-1.0500	-1.2260		
70	39.14	0.13	9.4348	-11.3751	1.6615	-1.2956	0.5438	-0.6281	0.4139	-1.0470	-1.2056		
71	39.33	0.13	9.5228	-11.4043	1.6583	-1.3576	0.5298	-0.6286	0.4205	-1.0491	-1.1976		
72	39.56	0.14	9.6609	-11.4640	1.8063	-1.2590	0.5159	-0.6241	0.4222	-1.0463	-1.1866		
73	39.76	0.15	9.6404	-11.4821	1.7717	-1.3319	0.5234	-0.6474	0.4184	-1.0659	-1.1918		
74	39.95	0.16	9.7103	-11.4794	1.9161	-1.4009	0.5479	-0.6265	0.4325	-1.0590	-1.1822		
75	40.16	0.14	9.7925	-11.6304	1.7619	-1.3607	0.5187	-0.6515	0.4300	-1.0816	-1.1677		
76	40.35	0.13	9.7051	-11.2659	1.6062	-1.3460	0.5190	-0.6739	0.4196	-1.0935	-1.1608		
77	40.57	0.13	9.7586	-11.3023	1.6876	-1.7988	0.4760	-0.6789	0.4177	-1.0956	-1.1582		
78	40.77	0.12	9.8946	-11.3327	1.5181	-1.5105	0.4759	-0.7203	0.4134	-1.1337	-1.1453		
79	40.97	0.14	10.1186	-11.7340	1.9620	-1.8101	0.4704	-0.6860	0.4324	-1.1154	-1.1597		
80	41.18	0.14	10.0065	-11.2803	1.8497	-1.8236	0.5299	-0.6733	0.4376	-1.1109	-1.1273		
81	41.38	0.14	10.2722	-11.6310	1.9063	-1.6651	0.4782	-0.6739	0.4462	-1.1201	-1.1323		
82	41.57	0.14	10.2388	-11.5472	1.8576	-1.6935	0.4784	-0.6743	0.4490	-1.1233	-1.1278		
83	41.77	0.13	10.3496	-11.4684	1.8138	-1.6318	0.5085	-0.6766	0.4485	-1.1251	-1.1081		
84	41.96	0.14	10.4597	-11.6931	1.9375	-1.5894	0.4925	-0.6987	0.4401	-1.1388	-1.1179		
85	42.13	0.09	10.2968	-11.0626	1.2712	-1.1586	0.4330	-0.7753	0.4077	-1.1830	-1.0744		
86	42.33	0.13	10.6267	-11.6746	1.7837	-1.2208	0.4995	-0.6953	0.4511	-1.1464	-1.0986		
87	42.50	0.14	10.6535	-11.6177	1.8871	-1.6331	0.4789	-0.6988	0.4597	-1.1585	-1.0905		
88	42.68	0.14	10.6953	-11.6479	1.8464	-1.5287	0.4640	-0.6989	0.4596	-1.1585	-1.0891		
89	42.86	0.15	10.8202	-11.6367	1.9469	-1.3859	0.4786	-0.6710	0.4768	-1.1479	-1.0755		
90	43.06	0.14	10.7653	-11.8194	1.9316	-1.3838	0.4494	-0.7090	0.4710	-1.1800	-1.0779		
91	43.23	0.15	10.9350	-11.6846	2.0514	-1.4828	0.4497	-0.6696	0.4759	-1.1456	-1.0686		
92	43.41	0.15	11.0894	-11.7134	1.9475	-1.3730	0.4796	-0.6900	0.4792	-1.1692	-1.0563		

PAGE 1 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6						PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 160 0.80 1.7						0.0	81W0F34	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CY	CLM	CLL	CA	CAB	CAF	XCP		
93	43.60	0.15	11.1823	-11.9629	2.0795	-1.5473	0.4063	-0.7037	0.4846	-1.1932	-1.0698		
94	43.77	0.15	11.2764	-11.9457	2.1291	-1.4892	0.4360	-0.6886	0.4937	-1.1822	-1.0594		
95	43.95	0.14	11.2790	-11.7441	2.1065	-1.6264	0.4516	-0.6922	0.4970	-1.1891	-1.0412		
96	44.14	0.14	11.2875	-11.8403	2.0333	-1.5315	0.4513	-0.7000	0.4951	-1.1950	-1.0490		
97	44.31	0.13	11.3309	-11.7977	1.9933	-1.7049	0.4523	-0.7034	0.4916	-1.1949	-1.0412		
98	44.50	0.13	11.4341	-11.9143	1.9735	-1.4753	0.4517	-0.7038	0.5222	-1.2059	-1.0420		
99	44.67	0.13	11.4652	-11.8276	1.9715	-1.1956	0.4361	-0.6980	0.5055	-1.2034	-1.0316		
100	44.86	0.13	11.5223	-11.8700	2.0162	-1.2373	0.4290	-0.6963	0.5055	-1.2017	-1.0302		
101	45.04	0.14	11.7334	-12.1092	2.0360	-0.8473	0.4354	-0.7080	0.5136	-1.2215	-1.0320		
102	45.21	0.13	11.7282	-12.0638	1.9338	-1.0145	0.4215	-0.7225	0.5078	-1.2302	-1.0286		
103	45.39	0.13	11.7381	-12.0678	1.9548	-1.2185	0.4076	-0.7222	0.5121	-1.2342	-1.0281		
104	45.56	0.13	11.8020	-12.0543	1.9143	-1.0884	0.4225	-0.7142	0.5174	-1.2315	-1.0162		
105	45.74	0.13	11.9488	-12.1380	1.9354	-0.9755	0.4001	-0.7123	0.5189	-1.2311	-1.0158		
106	45.91	0.12	11.9632	-12.0179	1.9718	-1.1806	0.3938	-0.7026	0.5235	-1.2260	-1.0046		
107	46.07	0.13	12.1287	-12.2305	2.0144	-0.8065	0.3644	-0.7222	0.5228	-1.2449	-1.0084		
108	46.25	0.11	12.0981	-12.1326	1.8964	-0.6568	0.3936	-0.7295	0.5252	-1.2547	-1.0029		
109	46.43	0.12	12.2365	-12.3156	1.9238	-0.8123	0.3730	-0.7364	0.5285	-1.2649	-1.0065		
110	46.59	0.12	12.3704	-12.4747	1.9122	-0.4160	0.3495	-0.7532	0.5295	-1.2827	-1.0084		
111	46.76	0.10	12.3223	-12.3795	1.7350	-0.5027	0.3798	-0.7638	0.5252	-1.2890	-1.0046		
112	46.94	0.09	12.3940	-12.4702	1.6350	-0.3025	0.3720	-0.7635	0.5286	-1.2921	-1.0061		
113	47.12	0.09	12.5273	-12.4674	1.6511	-0.0477	0.3424	-0.7762	0.5287	-1.3049	-0.9952		
114	47.28	0.09	12.6580	-12.6582	1.6321	-0.1091	0.3208	-0.7585	0.5335	-1.2920	-1.0000		
115	47.46	0.09	12.7746	-12.8208	1.5842	0.1895	0.2902	-0.7924	0.5262	-1.3186	-1.0036		
116	47.63	0.07	12.7965	-13.0590	1.3252	0.6708	0.3108	-0.8263	0.5219	-1.3482	-1.0205		
117	47.80	0.06	12.7915	-13.0518	1.1389	0.7260	0.3110	-0.8293	0.5186	-1.3479	-1.0204		
118	47.97	0.06	12.8655	-13.0895	1.0494	1.1432	0.2873	-0.8440	0.5181	-1.3621	-1.0174		
119	48.13	0.06	12.9091	-13.2249	0.9032	1.3967	0.2564	-0.8719	0.5037	-1.3755	-1.0245		
120	48.30	0.04	12.9295	-13.2519	0.6896	1.8263	0.1513	-0.8860	0.5017	-1.3876	-1.0249		
121	48.47	0.03	12.9270	-13.0030	0.6054	2.0422	0.0469	-0.8905	0.4959	-1.3863	-1.0059		
122	48.64	0.01	12.9419	-12.8701	0.2493	2.4414	-0.0649	-0.9238	0.4864	-1.4101	-0.9960		
123	48.79	-0.02	12.9718	-12.8657	-0.2221	2.8343	-0.1106	-1.0055	0.4414	-1.4470	-0.9995		
124	48.98	-0.04	12.9429	-12.9073	-0.3810	3.0069	-0.2140	-1.0716	0.4189	-1.4905	-0.9972		

PAGE 2 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 160 0.80 1.7			0.0	81WOF34	0.0	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.77	0.01	0.0178	0.0034	0.0107	0.1930	0.6010	-0.7131	-0.0248	-0.2952	0.0348	0.4140
2	-5.77	0.01	0.0246	0.0038	0.0141	0.1561	0.5725	-0.7342	-0.0237	-0.3054	0.0323	0.4160
3	-5.78	0.01	0.0182	0.0033	0.0115	0.1829	0.6328	-0.7040	-0.0248	-0.2914	0.0353	0.4139
4	-5.77	0.01	0.0256	0.0045	0.0147	0.1748	0.5759	-0.7144	-0.0244	-0.2952	0.0342	0.4133
5	-5.87	0.01	0.0182	0.0032	0.0113	0.1771	0.6214	-0.7220	-0.0244	-0.2995	0.0338	0.4148
6	-4.96	0.01	0.0290	0.0046	0.0156	0.1577	0.5364	-0.7476	-0.0243	-0.3110	0.0325	0.4160
7	-3.22	0.01	0.0216	0.0042	0.0117	0.1923	0.5420	-0.7599	-0.0264	-0.3171	0.0348	0.4173
8	-1.58	0.01	0.0212	0.0051	0.0110	0.2402	0.5184	-0.7283	-0.0264	-0.3026	0.0363	0.4155
9	0.17	0.00	0.0200	0.0059	0.0088	0.2969	0.4417	-0.6792	-0.0261	-0.2865	0.0384	0.4219
10	1.83	-0.00	0.0127	0.0051	0.0047	0.4016	0.3680	-0.6765	-0.0297	-0.2878	0.0440	0.4254
11	3.52	0.01	0.0190	0.0067	0.0075	0.3497	0.3925	-0.6652	-0.0428	-0.2857	0.0644	0.4295
12	5.19	-0.00	0.0180	0.0064	0.0067	0.3534	0.3749	-0.6276	-0.0479	-0.2732	0.0764	0.4354
13	6.94	-0.00	0.0268	0.0073	0.0117	0.2713	0.4370	-0.5562	-0.0473	-0.2476	0.0851	0.4452
14	8.63	0.00	0.0232	0.0064	0.0099	0.2730	0.4250	-0.4707	-0.0455	-0.2166	0.0968	0.4602
15	10.37	-0.01	0.0215	0.0057	0.0075	0.2657	0.3470	-0.3408	-0.0380	-0.1598	0.1113	0.4660
16	12.14	-0.00	0.0130	0.0048	0.0059	0.3680	0.4550	-0.2082	-0.0261	-0.0950	0.1254	0.4563
17	13.92	0.00	0.0247	0.0058	0.0132	0.2353	0.5324	-0.0851	-0.0107	-0.0412	0.1259	0.4842
18	15.77	-0.00	0.0265	0.0072	0.0127	0.2706	0.4773	0.0015	0.0109	-0.0046	0.5000	-3.1357
19	17.63	-0.00	0.0535	0.0094	0.0252	0.1748	0.4708	0.0891	0.0302	0.0307	0.3384	0.3446
20	19.45	-0.01	0.0710	0.0099	0.0359	0.1391	0.5054	0.1840	0.0459	0.0720	0.2492	0.3912
21	21.30	-0.01	0.1316	0.0146	0.0689	0.1106	0.5233	0.2746	0.0590	0.1129	0.2147	0.4110
22	23.20	-0.01	0.1309	0.0125	0.0721	0.0953	0.5508	0.3984	0.0702	0.1695	0.1761	0.4254
23	25.06	-0.02	0.1103	0.0090	0.0646	0.0820	0.5858	0.5156	0.0748	0.2216	0.1450	0.4298
24	26.96	0.03	0.0883	0.0215	0.0101	0.2438	0.1140	0.6544	0.0690	0.2745	0.1055	0.4194
25	27.96	0.03	0.1328	0.0210	0.0498	0.1532	0.3750	0.6567	0.0679	0.2739	0.1031	0.4158
26	27.93	0.03	0.1395	0.0218	0.0523	0.1565	0.3747	0.6654	0.0663	0.2766	0.0997	0.4156
27	28.33	0.04	0.1417	0.0245	0.0440	0.1731	0.3104	0.6698	0.0599	0.2768	0.0894	0.4132
28	28.63	0.03	0.1516	0.0259	0.0470	0.1708	0.3100	0.6711	0.0551	0.2768	0.0821	0.4124
29	28.89	0.04	0.1953	0.0307	0.0624	0.1571	0.3198	0.6495	0.0470	0.2645	0.0724	0.4073
30	29.21	0.04	0.1904	0.0283	0.0713	0.1486	0.3744	0.6651	0.0490	0.2728	0.0736	0.4102
31	29.51	0.04	0.2068	0.0291	0.0816	0.1408	0.3948	0.6642	0.0476	0.2708	0.0717	0.4076
32	29.79	0.05	0.2339	0.0331	0.0917	0.1413	0.3920	0.6565	0.0438	0.2672	0.0667	0.4071
33	30.05	0.06	0.2536	0.0377	0.0936	0.1488	0.3690	0.6593	0.0423	0.2685	0.0642	0.4072
34	30.31	0.07	0.2936	0.0413	0.1123	0.1436	0.3826	0.6337	0.0365	0.2580	0.0576	0.4071
35	30.60	0.06	0.2840	0.0388	0.1238	0.1366	0.4358	0.6193	0.0339	0.2509	0.0547	0.4052
36	30.85	0.06	0.2667	0.0361	0.1324	0.1259	0.4618	0.6085	0.0320	0.2479	0.0526	0.4075
37	31.13	0.05	0.2686	0.0361	0.1338	0.1343	0.4983	0.6420	0.0358	0.2627	0.0557	0.4091
38	31.41	0.06	0.3112	0.0412	0.1473	0.1323	0.4734	0.6195	0.0311	0.2538	0.0502	0.4098
39	31.66	0.07	0.2986	0.0386	0.1453	0.1292	0.4867	0.6311	0.0306	0.2591	0.0484	0.4106
40	31.95	0.07	0.3323	0.0442	0.1532	0.1330	0.4611	0.6307	0.0291	0.2588	0.0462	0.4104
41	32.20	0.08	0.3516	0.0466	0.1595	0.1325	0.4537	0.6352	0.0292	0.2612	0.0460	0.4112
42	32.46	0.09	0.3332	0.0448	0.1396	0.1345	0.4159	0.6392	0.0281	0.2633	0.0439	0.4119
43	32.73	0.09	0.3367	0.0457	0.1369	0.1359	0.4067	0.6483	0.0277	0.2669	0.0427	0.4117
44	32.98	0.09	0.3828	0.0533	0.1666	0.1393	0.4352	0.6509	0.0280	0.2683	0.0430	0.4122
45	33.22	0.08	0.3202	0.0421	0.1385	0.1315	0.4325	0.6656	0.0278	0.2747	0.0417	0.4127
46	33.47	0.09	0.3657	0.0496	0.1641	0.1356	0.4468	0.6572	0.0279	0.2714	0.0424	0.4129

PAGE 2 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 160 0.80 1.7			0.0	B1WOF34	0.0	0	-20	0	-20	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCDF1	YCDF1	CNF2	CH2	CB2	XCDF2	YCDF2
47	33.73	0.10	0.3709	0.0497	0.1729	0.1340	0.4663	0.6617	0.0280	0.2735	0.0423	0.4133
48	33.97	0.10	0.3759	0.0511	0.1762	0.1358	0.4689	0.6675	0.0275	0.2763	0.0416	0.4139
49	34.22	0.11	0.3840	0.0529	0.1965	0.1378	0.4858	0.6751	0.0282	0.2794	0.0417	0.4138
50	34.47	0.11	0.3980	0.0555	0.1872	0.1395	0.4705	0.6763	0.0278	0.2805	0.0410	0.4147
51	34.71	0.12	0.3976	0.0543	0.1892	0.1365	0.4759	0.6788	0.0281	0.2813	0.0414	0.4144
52	34.96	0.12	0.3736	0.0526	0.1820	0.1408	0.4871	0.6940	0.0283	0.2894	0.0407	0.4170
53	35.18	0.11	0.3860	0.0531	0.1852	0.1377	0.4798	0.6968	0.0273	0.2879	0.0392	0.4161
54	35.44	0.11	0.3822	0.0554	0.1720	0.1450	0.4500	0.6969	0.0268	0.2902	0.0385	0.4163
55	35.67	0.09	0.3542	0.0508	0.1497	0.1435	0.4226	0.7116	0.0258	0.2966	0.0362	0.4168
56	35.90	0.11	0.3685	0.0551	0.1661	0.1495	0.4507	0.7051	0.0263	0.2938	0.0373	0.4166
57	36.13	0.11	0.3649	0.0545	0.1604	0.1485	0.4371	0.7148	0.0260	0.2964	0.0364	0.4146
58	36.36	0.11	0.3622	0.0554	0.1768	0.1530	0.4860	0.6968	0.0274	0.2876	0.0394	0.4127
59	36.60	0.11	0.3501	0.0529	0.1693	0.1512	0.4836	0.7136	0.0266	0.2946	0.0373	0.4129
60	36.85	0.11	0.3410	0.0509	0.1640	0.1494	0.4809	0.7212	0.0259	0.2990	0.0359	0.4146
61	37.07	0.10	0.3139	0.0475	0.1416	0.1514	0.4511	0.7281	0.0254	0.3022	0.0349	0.4150
62	37.30	0.10	0.3549	0.0480	0.1751	0.1354	0.4935	0.7379	0.0251	0.3054	0.0340	0.4139
63	37.55	0.11	0.3376	0.0381	0.1792	0.1127	0.5307	0.7502	0.0254	0.3115	0.0338	0.4153
64	37.77	0.12	0.3399	0.0333	0.1835	0.0979	0.5399	0.7611	0.0253	0.3148	0.0332	0.4137
65	38.02	0.12	0.3416	0.0269	0.1904	0.0788	0.5573	0.7542	0.0251	0.3114	0.0332	0.4129
66	38.25	0.12	0.3508	0.0207	0.1958	0.0590	0.5580	0.7796	0.0247	0.3227	0.0317	0.4140
67	38.49	0.13	0.3615	0.0215	0.1979	0.0595	0.5475	0.7786	0.0239	0.3214	0.0307	0.4128
68	38.68	0.13	0.3786	0.0139	0.2104	0.0368	0.5557	0.7836	0.0234	0.3237	0.0298	0.4130
69	38.92	0.14	0.3876	0.0160	0.2116	0.0413	0.5460	0.8099	0.0228	0.3352	0.0281	0.4139
70	39.14	0.13	0.3940	0.0139	0.2152	0.0354	0.5461	0.8069	0.0220	0.3326	0.0273	0.4122
71	39.33	0.13	0.3862	0.0154	0.2106	0.0398	0.5453	0.8043	0.0220	0.3320	0.0274	0.4127
72	39.56	0.14	0.4074	0.0157	0.2214	0.0385	0.5434	0.8137	0.0213	0.3353	0.0262	0.4120
73	39.76	0.15	0.3963	0.0172	0.2132	0.0433	0.5379	0.8244	0.0212	0.3411	0.0257	0.4137
74	39.95	0.16	0.4073	0.0210	0.2159	0.0516	0.5301	0.8258	0.0209	0.3415	0.0253	0.4136
75	40.16	0.14	0.3827	0.0225	0.2038	0.0587	0.5326	0.8221	0.0208	0.3384	0.0253	0.4116
76	40.35	0.13	0.3617	0.0302	0.1821	0.0893	0.5329	0.8105	0.0217	0.3336	0.0268	0.4116
77	40.57	0.13	0.3502	0.0317	0.1835	0.0906	0.5240	0.8156	0.0218	0.3357	0.0268	0.4116
78	40.77	0.12	0.3220	0.0322	0.1680	0.1001	0.5216	0.8341	0.0207	0.3455	0.0248	0.4143
79	40.97	0.14	0.3962	0.0192	0.2073	0.0485	0.5231	0.8655	0.0197	0.3576	0.0227	0.4132
80	41.18	0.14	0.3750	0.0231	0.1996	0.0615	0.5322	0.8333	0.0214	0.3417	0.0257	0.4100
81	41.38	0.14	0.3983	0.0189	0.2087	0.0475	0.5240	0.8656	0.0191	0.3565	0.0221	0.4119
82	41.57	0.14	0.3804	0.0184	0.2014	0.0484	0.5293	0.8579	0.0202	0.3526	0.0235	0.4110
83	41.77	0.13	0.3752	0.0210	0.1997	0.0560	0.5322	0.8611	0.0194	0.3542	0.0226	0.4113
84	41.96	0.14	0.3897	0.0247	0.2061	0.0635	0.5289	0.8710	0.0188	0.3590	0.0216	0.4122
85	42.13	0.09	0.2636	0.0324	0.1398	0.1231	0.5305	0.8560	0.0206	0.3532	0.0240	0.4126
86	42.33	0.13	0.3750	0.0261	0.1979	0.0696	0.5278	0.8609	0.0189	0.3537	0.0220	0.4109
87	42.50	0.14	0.3940	0.0207	0.2074	0.0525	0.5264	0.8698	0.0183	0.3580	0.0210	0.4116
88	42.68	0.14	0.3766	0.0241	0.1996	0.0641	0.5300	0.8699	0.0187	0.3572	0.0215	0.4106
89	42.86	0.15	0.3856	0.0236	0.2059	0.0612	0.5340	0.8643	0.0183	0.3533	0.0212	0.4088
90	43.06	0.14	0.3684	0.0262	0.1978	0.0711	0.5370	0.8713	0.0181	0.3573	0.0208	0.4100
91	43.23	0.15	0.3940	0.0264	0.2053	0.0670	0.5211	0.8739	0.0179	0.3587	0.0205	0.4105
92	43.41	0.15	0.3811	0.0266	0.2038	0.0698	0.5349	0.8662	0.0189	0.3537	0.0218	0.4084

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PM1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 100 0.80 1.7				0.0	B1WOF 34	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
93	43.60	0.15	0.3813	0.0260	0.2014	0.0682	0.5281	0.8925	0.0175	0.3666	0.0198	0.4108
94	43.77	0.15	0.3838	0.0286	0.2022	0.0745	0.5268	0.8796	0.0179	0.3609	0.0203	0.4103
95	43.95	0.14	0.3820	0.0307	0.1995	0.0803	0.5222	0.8713	0.0183	0.3573	0.0210	0.4100
96	44.14	0.14	0.3814	0.0298	0.1996	0.0782	0.5233	0.8841	0.0178	0.3630	0.0201	0.4106
97	44.31	0.13	0.3759	0.0277	0.1984	0.0736	0.5250	0.8886	0.0179	0.3654	0.0201	0.4112
98	44.50	0.13	0.3704	0.0316	0.1934	0.0853	0.5221	0.8892	0.0178	0.3657	0.0200	0.4112
99	44.67	0.13	0.3554	0.0284	0.1898	0.0799	0.5342	0.8784	0.0181	0.3597	0.0208	0.4095
100	44.86	0.13	0.3719	0.0307	0.1966	0.0825	0.5286	0.8778	0.0175	0.3594	0.0199	0.4095
101	45.04	0.14	0.3617	0.0294	0.1923	0.0813	0.5317	0.8906	0.0174	0.3658	0.0195	0.4107
102	45.21	0.13	0.3604	0.0310	0.1904	0.0860	0.5282	0.8971	0.0172	0.3683	0.0191	0.4105
103	45.39	0.13	0.3496	0.0310	0.1859	0.0886	0.5318	0.8893	0.0175	0.3655	0.0196	0.4110
104	45.56	0.13	0.3575	0.0355	0.1863	0.0992	0.5212	0.8829	0.0178	0.3616	0.0201	0.4096
105	45.74	0.13	0.3465	0.0342	0.1827	0.0947	0.5272	0.8849	0.0177	0.3621	0.0200	0.4092
106	45.91	0.12	0.3529	0.0349	0.1814	0.0990	0.5141	0.8914	0.0168	0.3657	0.0189	0.4102
107	46.07	0.13	0.3410	0.0334	0.1761	0.0979	0.5165	0.9084	0.0162	0.3736	0.0179	0.4112
108	46.25	0.11	0.3227	0.0326	0.1724	0.1012	0.5342	0.8961	0.0171	0.3676	0.0190	0.4102
109	46.43	0.12	0.3321	0.0303	0.1771	0.0911	0.5332	0.9070	0.0162	0.3727	0.0179	0.4110
110	46.59	0.12	0.3143	0.0295	0.1672	0.0939	0.5320	0.9134	0.0160	0.3759	0.0175	0.4116
111	46.76	0.10	0.3111	0.0265	0.1690	0.0852	0.5432	0.9076	0.0165	0.3730	0.0182	0.4110
112	46.94	0.09	0.3154	0.0245	0.1718	0.0778	0.5448	0.9154	0.0157	0.3764	0.0172	0.4111
113	47.12	0.09	0.2744	0.0183	0.1583	0.0667	0.5769	0.9199	0.0155	0.3786	0.0168	0.4116
114	47.28	0.09	0.3023	0.0205	0.1664	0.0678	0.5505	0.9439	0.0141	0.3899	0.0150	0.4131
115	47.46	0.09	0.2560	0.0086	0.1556	0.0337	0.6079	0.9395	0.0140	0.3861	0.0149	0.4110
116	47.63	0.07	0.2363	0.0016	0.1501	0.0066	0.6352	0.9446	0.0140	0.3890	0.0149	0.4118
117	47.80	0.06	0.2138	-0.0015	0.1451	-0.0068	0.6789	0.9504	0.0138	0.3920	0.0145	0.4125
118	47.97	0.06	0.1401	-0.0133	0.1155	-0.0950	0.8244	0.9498	0.0140	0.3910	0.0148	0.4117
119	48.13	0.06	0.1622	-0.0113	0.1275	-0.0699	0.7860	0.9506	0.0137	0.3914	0.0144	0.4117
120	48.30	0.04	0.0717	-0.0212	0.0862	-0.2957	1.2016	0.9648	0.0130	0.3980	0.0135	0.4126
121	48.47	0.03	0.0015	-0.0251	0.0423	-17.2143	29.0765	0.9700	0.0126	0.4008	0.0130	0.4132
122	48.64	0.01	-0.0921	-0.0362	-0.0087	0.3928	0.0946	0.9617	0.0131	0.3967	0.0136	0.4125
123	48.79	-0.02	-0.1508	-0.0309	-0.0449	0.2048	0.2979	0.9822	0.0126	0.4053	0.0128	0.4126
124	48.98	-0.04	-0.1779	-0.0292	-0.0682	0.1642	0.3831	1.0059	0.0116	0.4157	0.0116	0.4132

PAGE 3 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 160 0.60 1.7				0.0	BLVDF 34	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.77	0.01	0.0038	9.9999	-0.0013	9.9999	-0.3506	-0.6475	-0.0310	-0.3242	0.0478	0.5006
2	-5.77	0.01	0.0181	9.9999	0.0024	9.9999	0.1319	-0.6446	-0.0313	-0.3225	0.0485	0.5003
3	-5.78	0.01	-0.0045	9.9999	-0.0039	9.9999	0.8817	-0.6548	-0.0306	-0.3270	0.0467	0.4993
4	-5.77	0.01	0.0099	9.9999	-0.0004	9.9999	-0.0420	-0.6496	-0.0311	-0.3245	0.0479	0.4995
5	-5.87	0.01	0.0115	9.9999	0.0010	9.9999	0.0839	-0.6394	-0.0308	-0.3194	0.0481	0.4996
6	-4.96	0.01	0.0263	9.9999	0.0059	9.9999	0.2248	-0.6375	-0.0317	-0.3182	0.0497	0.4991
7	-3.22	0.01	0.0079	9.9999	0.0007	9.9999	0.0919	-0.6751	-0.0341	-0.3381	0.0505	0.5008
8	-1.58	0.01	0.0102	9.9999	0.0023	9.9999	0.2249	-0.6471	-0.0344	-0.3250	0.0532	0.5022
9	0.17	0.00	0.0119	9.9999	0.0040	9.9999	0.3413	-0.6116	-0.0344	-0.3055	0.0563	0.4995
10	1.83	-0.00	0.0075	9.9999	0.0044	9.9999	0.5820	-0.6232	-0.0400	-0.3144	0.0642	0.5045
11	3.52	0.01	0.0145	9.9999	0.0078	9.9999	0.5383	-0.5964	-0.0506	-0.3045	0.0949	0.5105
12	5.19	-0.00	0.0132	9.9999	0.0084	9.9999	0.6363	-0.5593	-0.0555	-0.2934	0.0993	0.5246
13	6.94	-0.00	0.0143	9.9999	0.0086	9.9999	0.6001	-0.5007	-0.0560	-0.2744	0.1119	0.5488
14	8.63	0.00	0.0120	9.9999	0.0081	9.9999	0.6767	-0.4130	-0.0520	-0.2343	0.1259	0.5674
15	10.37	-0.01	0.0107	9.9999	0.0085	9.9999	0.7943	-0.2953	-0.0423	-0.1708	0.1433	0.5783
16	12.14	-0.00	0.0089	9.9999	0.0080	9.9999	0.8933	-0.1743	-0.0295	-0.1020	0.1695	0.5852
17	13.92	0.00	0.0150	9.9999	0.0088	9.9999	0.5889	-0.0681	-0.0143	-0.0444	0.2107	0.6519
18	15.77	-0.00	0.0132	9.9999	0.0078	9.9999	0.5892	0.3137	0.0082	-0.0006	0.5985	-0.0454
19	17.63	-0.00	0.0210	9.9999	0.0098	9.9999	0.4643	0.0926	0.0329	0.0389	0.3547	0.4199
20	19.45	-0.01	0.0175	9.9999	0.0079	9.9999	0.4514	0.1866	0.0535	0.0889	0.2869	0.4764
21	21.30	-0.01	0.0171	9.9999	0.0067	9.9999	0.3954	0.2966	0.0743	0.1491	0.2506	0.5025
22	23.20	-0.01	0.0124	9.9999	0.0043	9.9999	0.3438	0.3954	0.0789	0.2062	0.1996	0.5216
23	25.06	-0.02	0.0052	9.9999	0.0026	9.9999	0.4989	0.4850	0.0761	0.2560	0.1569	0.5278
24	26.96	0.03	0.0153	9.9999	0.0059	9.9999	0.3869	0.4959	0.0770	0.2680	0.1554	0.5404
25	27.88	0.03	0.0206	9.9999	0.0066	9.9999	0.4152	0.5251	0.0736	0.2827	0.1402	0.5384
26	27.93	0.03	0.0218	9.9999	0.0087	9.9999	0.3991	0.5344	0.0739	0.2854	0.1383	0.5396
27	29.33	0.04	0.0272	9.9999	0.0100	9.9999	0.3656	0.5374	0.0737	0.2903	0.1372	0.5401
28	28.63	0.03	0.0178	9.9999	0.0060	9.9999	0.3384	0.5323	0.0729	0.2986	0.1369	0.5421
29	28.89	0.04	0.0224	9.9999	0.0089	9.9999	0.3991	0.5374	0.0724	0.2902	0.1346	0.5399
30	29.21	0.04	0.0302	9.9999	0.0116	9.9999	0.3853	0.5478	0.0647	0.2955	0.1180	0.5395
31	29.51	0.04	0.0289	9.9999	0.0119	9.9999	0.4127	0.5558	0.0630	0.3001	0.1134	0.5399
32	29.79	0.05	0.0250	9.9999	0.0092	9.9999	0.3700	0.5553	0.0611	0.2998	0.1101	0.5399
33	30.05	0.06	0.0397	9.9999	0.0152	9.9999	0.3839	0.5526	0.0585	0.2989	0.1059	0.5408
34	30.31	0.07	0.0250	9.9999	0.0087	9.9999	0.3492	0.5563	0.0596	0.3007	0.1071	0.5406
35	30.60	0.06	0.0280	9.9999	0.0098	9.9999	0.3446	0.5392	0.0486	0.2896	0.0901	0.5371
36	30.85	0.06	0.0244	9.9999	0.0086	9.9999	0.3524	0.5441	0.0488	0.2923	0.0898	0.5373
37	31.13	0.05	0.0326	9.9999	0.0123	9.9999	0.3781	0.5145	0.0369	0.2782	0.0717	0.5408
38	31.41	0.06	0.0286	9.9999	0.0099	9.9999	0.3447	0.5178	0.0385	0.2799	0.0743	0.5405
39	31.66	0.07	0.0279	9.9999	0.0108	9.9999	0.3872	0.5313	0.0368	0.2839	0.0693	0.5381
40	31.95	0.07	0.0332	9.9999	0.0133	9.9999	0.4003	0.5292	0.0378	0.2851	0.0715	0.5387
41	32.20	0.08	0.0172	9.9999	0.0150	9.9999	0.4041	0.5325	0.0370	0.2866	0.0698	0.5403
42	32.46	0.09	0.0455	9.9999	0.0177	9.9999	0.3895	0.5428	0.0404	0.2925	0.0745	0.5389
43	32.73	0.09	0.0454	9.9999	0.0188	9.9999	0.4132	0.5358	0.0383	0.2897	0.0714	0.5408
44	32.98	0.09	0.0415	9.9999	0.0157	9.9999	0.3776	0.5392	0.0360	0.2923	0.0667	0.5421
45	33.22	0.08	0.0378	9.9999	0.0144	9.9999	0.3810	0.5450	0.0356	0.2948	0.0652	0.5409
46	33.47	0.09	0.0431	9.9999	0.0170	9.9999	0.3943	0.5479	0.0354	0.2962	0.0645	0.5405

PAGE 3 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 160 0.80 1.7				0.0	81W9F34	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CM3	CB3	XCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4
47	33.73	0.10	0.0365	9.9999	0.0150	9.9999	0.4122	0.5541	0.0348	0.2997	0.0629	0.5409
48	33.97	0.10	0.0405	9.9999	0.0173	9.9999	0.4272	0.5616	0.0341	0.3039	0.0607	0.5413
49	34.22	0.11	0.0394	9.9999	0.0158	9.9999	0.4001	0.5620	0.0324	0.3047	0.0577	0.5421
50	34.47	0.11	0.0477	9.9999	0.0188	9.9999	0.3934	0.5677	0.0334	0.3073	0.0588	0.5413
51	34.71	0.12	0.0383	9.9999	0.0146	9.9999	0.3823	0.5660	0.0328	0.3072	0.0579	0.5427
52	34.96	0.12	0.0424	9.9999	0.0172	9.9999	0.4020	0.5779	0.0308	0.3141	0.0533	0.5436
53	35.18	0.11	0.0416	9.9999	0.0174	9.9999	0.4190	0.5749	0.0314	0.3132	0.0546	0.5448
54	35.44	0.11	0.0435	9.9999	0.0171	9.9999	0.3938	0.5765	0.0331	0.3134	0.0573	0.5438
55	35.67	0.09	0.0305	9.9999	0.0119	9.9999	0.3916	0.5819	0.0317	0.3167	0.0579	0.5442
56	35.90	0.11	0.0527	9.9999	0.0212	9.9999	0.4015	0.5884	0.0322	0.3204	0.0548	0.5448
57	36.13	0.11	0.0439	9.9999	0.0177	9.9999	0.4043	0.5922	0.0333	0.3220	0.0562	0.5437
58	36.36	0.11	0.0530	9.9999	0.0230	9.9999	0.4343	0.5872	0.0312	0.3218	0.0531	0.5480
59	36.60	0.11	0.0462	9.9999	0.0189	9.9999	0.4090	0.6035	0.0307	0.3305	0.0508	0.5477
60	36.85	0.11	0.0415	9.9999	0.0167	9.9999	0.4026	0.6102	0.0308	0.3321	0.0504	0.5442
61	37.07	0.10	0.0525	9.9999	0.0215	9.9999	0.4090	0.6185	0.0313	0.3390	0.0506	0.5481
62	37.30	0.10	0.0472	9.9999	0.0196	9.9999	0.4154	0.6230	0.0296	0.3405	0.0476	0.5463
63	37.55	0.11	0.0540	9.9999	0.0235	9.9999	0.4364	0.6271	0.0286	0.3424	0.0456	0.5461
64	37.77	0.12	0.0436	9.9999	0.0187	9.9999	0.4286	0.6276	0.0277	0.3426	0.0441	0.5460
65	38.02	0.12	0.0418	9.9999	0.0178	9.9999	0.4269	0.6272	0.0283	0.3423	0.0451	0.5458
66	38.25	0.12	0.0459	9.9999	0.0201	9.9999	0.4389	0.6252	0.0292	0.3411	0.0451	0.5458
67	38.49	0.13	0.0464	9.9999	0.0206	9.9999	0.4452	0.6272	0.0285	0.3432	0.0454	0.5472
68	38.68	0.13	0.0355	9.9999	0.0149	9.9999	0.4213	0.6148	0.0295	0.3367	0.0480	0.5477
69	38.92	0.14	0.0422	9.9999	0.0198	9.9999	0.4694	0.6220	0.0291	0.3407	0.0468	0.5477
70	39.14	0.13	0.0404	9.9999	0.0192	9.9999	0.4745	0.6068	0.0304	0.3329	0.0500	0.5488
71	39.33	0.13	0.0502	9.9999	0.0243	9.9999	0.4834	0.6062	0.0303	0.3336	0.0497	0.5485
72	39.56	0.14	0.0504	9.9999	0.0238	9.9999	0.4711	0.6033	0.0313	0.3337	0.0519	0.5482
73	39.76	0.15	0.0493	9.9999	0.0230	9.9999	0.4673	0.6170	0.0303	0.3378	0.0490	0.5475
74	39.95	0.16	0.0377	9.9999	0.0179	9.9999	0.4755	0.6217	0.0300	0.3401	0.0483	0.5470
75	40.16	0.14	0.0463	9.9999	0.0219	9.9999	0.4763	0.6326	0.0291	0.3453	0.0460	0.5459
76	40.35	0.13	0.0437	9.9999	0.0203	9.9999	0.4656	0.6549	0.0276	0.3554	0.0421	0.5427
77	40.57	0.13	0.0518	9.9999	0.0241	9.9999	0.4648	0.6566	0.0272	0.3583	0.0419	0.5457
78	40.77	0.12	0.0471	9.9999	0.0226	9.9999	0.4801	0.6691	0.0272	0.3639	0.0407	0.5439
79	40.97	0.14	0.0529	9.9999	0.0255	9.9999	0.4822	0.6445	0.0287	0.3519	0.0445	0.5458
80	41.18	0.14	0.0461	9.9999	0.0215	9.9999	0.4662	0.6491	0.0281	0.3550	0.0432	0.5469
81	41.38	0.14	0.0507	9.9999	0.0232	9.9999	0.4580	0.6335	0.0297	0.3466	0.0469	0.5471
82	41.57	0.14	0.0477	9.9999	0.0232	9.9999	0.4869	0.6388	0.0290	0.3492	0.0454	0.5466
83	41.77	0.13	0.0496	9.9999	0.0231	9.9999	0.4664	0.6514	0.0288	0.3557	0.0442	0.5461
84	41.96	0.14	0.0428	9.9999	0.0217	9.9999	0.5061	0.6388	0.0293	0.3506	0.0459	0.5489
85	42.13	0.09	0.0324	9.9999	0.0164	9.9999	0.5053	0.7159	0.0255	0.3870	0.0356	0.5407
86	42.33	0.13	0.0400	9.9999	0.0194	9.9999	0.4846	0.6503	0.0288	0.3562	0.0443	0.5478
87	42.50	0.14	0.0470	9.9999	0.0227	9.9999	0.4934	0.6344	0.0297	0.3480	0.0469	0.5486
88	42.68	0.14	0.0558	9.9999	0.0259	9.9999	0.4645	0.6430	0.0294	0.3532	0.0458	0.5494
89	42.86	0.15	0.0504	9.9999	0.0250	9.9999	0.4958	0.6388	0.0293	0.3501	0.0459	0.5481
90	43.06	0.14	0.0528	9.9999	0.0255	9.9999	0.4831	0.6545	0.0256	0.3583	0.0437	0.5474
91	43.23	0.15	0.0557	9.9999	0.0272	9.9999	0.4877	0.6300	0.0302	0.3447	0.0479	0.5472
92	43.41	0.15	0.0474	9.9999	0.0247	9.9999	0.5207	0.6480	0.0291	0.3545	0.0449	0.5471

PAGE 3 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		RX10-6		PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		160		0.80 1.7		0.0	BLWDF34	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CNF3	CH3	CB3	KCPF3	VCPF3	CNF4	CH4	CB4	KCPF4	VCPF4	
93	43.60	0.15	0.0498	9.9999	0.0252	9.9999	0.5062	0.6300	0.0303	0.3449	0.0480	0.5475	
94	43.77	0.15	0.0505	9.9999	0.0244	9.9999	0.4824	0.6420	0.0297	0.3516	0.0463	0.5476	
95	43.95	0.14	0.0506	9.9999	0.0239	9.9999	0.4712	0.6475	0.0298	0.3543	0.0461	0.5471	
96	44.14	0.14	0.0528	9.9999	0.0261	9.9999	0.4949	0.6455	0.0297	0.3529	0.0461	0.5468	
97	44.31	0.13	0.0535	9.9999	0.0251	9.9999	0.4688	0.6521	0.0291	0.3569	0.0446	0.5472	
98	44.50	0.13	0.0494	9.9999	0.0218	9.9999	0.4810	0.6558	0.0288	0.3593	0.0439	0.5464	
99	44.67	0.13	0.0518	9.9999	0.0243	9.9999	0.4608	0.6614	0.0285	0.3600	0.0431	0.5463	
100	44.86	0.13	0.0446	9.9999	0.0228	9.9999	0.5117	0.6414	0.0295	0.3515	0.0460	0.5479	
101	45.04	0.14	0.0422	9.9999	0.0218	9.9999	0.5161	0.6565	0.0286	0.3593	0.0436	0.5458	
102	45.21	0.13	0.0534	9.9999	0.0255	9.9999	0.4775	0.6614	0.0285	0.3597	0.0431	0.5438	
103	45.39	0.13	0.0500	9.9999	0.0231	9.9999	0.4626	0.6658	0.0280	0.3615	0.0420	0.5430	
104	45.56	0.13	0.0459	9.9999	0.0221	9.9999	0.4319	0.6553	0.0282	0.3574	0.0430	0.5453	
105	45.74	0.13	0.0581	9.9999	0.0273	9.9999	0.4694	0.6697	0.0279	0.3634	0.0417	0.5435	
106	45.91	0.12	0.0534	9.9999	0.0258	9.9999	0.4833	0.6545	0.0285	0.3565	0.0435	0.5447	
107	46.07	0.13	0.0496	9.9999	0.0234	9.9999	0.4727	0.6615	0.0282	0.3600	0.0426	0.5462	
108	46.25	0.11	0.0472	9.9999	0.0233	9.9999	0.4945	0.6702	0.0277	0.3646	0.0413	0.5441	
109	46.43	0.12	0.0531	9.9999	0.0258	9.9999	0.4862	0.6701	0.0276	0.3643	0.0411	0.5437	
110	46.59	0.12	0.0496	9.9999	0.0242	9.9999	0.4874	0.6756	0.0274	0.3654	0.0406	0.5408	
111	46.76	0.10	0.0458	9.9999	0.0213	9.9999	0.4659	0.6807	0.0272	0.3689	0.0400	0.5419	
112	46.94	0.09	0.0508	9.9999	0.0248	9.9999	0.4876	0.6873	0.0267	0.3711	0.0389	0.5399	
113	47.12	0.09	0.0475	9.9999	0.0219	9.9999	0.4607	0.7098	0.0253	0.3821	0.0356	0.5382	
114	47.28	0.09	0.0415	9.9999	0.0210	9.9999	0.5051	0.6952	0.0260	0.3759	0.0373	0.5400	
115	47.46	0.09	0.0367	9.9999	0.0194	9.9999	0.5285	0.7176	0.0250	0.3851	0.0348	0.5366	
116	47.63	0.07	0.0393	9.9999	0.0183	9.9999	0.4645	0.7335	0.0240	0.3926	0.0327	0.5353	
117	47.80	0.08	0.0239	9.9999	0.0123	9.9999	0.5162	0.7397	0.0231	0.3972	0.0312	0.5370	
118	47.97	0.06	0.0299	9.9999	0.0133	9.9999	0.4434	0.7713	0.0216	0.4121	0.0280	0.5344	
119	48.13	0.06	0.0314	9.9999	0.0165	9.9999	0.5253	0.7686	0.0212	0.4116	0.0276	0.5356	
120	48.30	0.04	0.0264	9.9999	0.0121	9.9999	0.4596	0.7890	0.0204	0.4223	0.0259	0.5359	
121	48.47	0.03	0.0251	9.9999	0.0127	9.9999	0.5051	0.7930	0.0203	0.4260	0.0256	0.5373	
122	48.64	0.01	0.0174	9.9999	0.0092	9.9999	0.5317	0.8069	0.0189	0.4335	0.0235	0.5372	
123	48.79	-0.02	-0.0007	9.9999	0.0006	9.9999	-0.8552	0.8456	0.0171	0.4555	0.0202	0.5387	
124	48.98	-0.04	0.0063	9.9999	0.0034	9.9999	0.5398	0.8682	0.0173	0.4689	0.0199	0.5401	

PAGE 1 OF 3
SHEET 1 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 161 0.90 1.7			0.0	81WOF34	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
1	-3.83	-0.00	-3.4226	13.5437	0.1082	-0.5315	-0.0203	1.5431	0.3463	1.1968	-3.9572
2	-3.83	-0.00	-3.3905	13.4856	0.1299	-0.6082	-0.0008	1.5424	0.3453	1.1971	-3.9775
3	-3.83	0.00	-3.4256	13.5913	0.1055	-0.5628	-0.0008	1.5525	0.3478	1.2047	-3.9676
4	-3.85	-0.00	-3.2868	13.1554	0.0044	-0.4340	-0.0140	1.5182	0.3328	1.1854	-4.0025
5	-2.11	-0.00	-3.1287	12.9687	0.0207	-0.4036	-0.0330	1.4408	0.2689	1.1719	-4.1450
6	-0.44	-0.01	-2.8673	12.9509	-0.0152	-0.3251	-0.0328	1.3697	0.2363	1.1334	-4.2798
7	1.28	-0.01	-2.6207	11.7267	-0.0322	-0.3766	-0.0518	1.3038	0.2184	1.0854	-4.4747
8	2.98	0.00	-2.5758	11.9611	0.0777	-0.3876	-0.0898	1.2633	0.1898	1.0735	-4.6436
9	4.77	-0.00	-2.2962	11.7365	0.0128	-0.3278	-0.0638	1.1716	0.1627	1.0099	-4.9371
10	6.46	-0.00	-2.0100	10.6466	0.0347	-0.4160	-0.0762	1.0789	0.1364	0.9425	-5.2967
11	8.22	0.00	-1.5631	9.3641	0.0526	-0.3446	-0.0180	0.9386	0.1179	0.8207	-5.9907
12	10.03	-0.00	-0.9488	6.9852	-0.0146	-0.1258	-0.0119	0.7699	0.1199	0.6500	-8.2291
13	11.81	-0.01	-0.0711	4.4873	-0.0548	-0.1125	0.0075	0.5996	0.1297	0.4699	-63.0793
14	13.64	-0.01	0.6019	2.3779	-0.0696	-0.1339	0.0142	0.4544	0.1372	0.3173	3.9506
15	15.55	0.00	1.2111	0.9601	0.0781	-0.3865	0.0219	0.3490	0.1916	0.1974	0.7927
16	17.48	-0.00	1.7751	-0.4736	0.0203	-0.2332	0.0609	0.2269	0.1628	0.0641	-0.2668
17	19.45	-0.00	2.4567	-2.1115	-0.0305	-0.1873	0.0744	0.0634	0.1700	-0.1066	-0.8595
18	21.38	-0.00	3.1912	-4.1223	0.0093	-0.2551	0.2164	-0.1146	0.1708	-0.2853	-1.2918
19	23.39	-0.01	4.0335	-6.3549	-0.0475	-0.1294	0.2810	-0.3016	0.1729	-0.4744	-1.5755
20	25.38	-0.01	4.6813	-7.7625	-0.1169	-0.1521	0.1920	-0.3995	0.1803	-0.5798	-1.6582
21	27.31	0.02	5.3987	-8.7188	0.2937	-0.7905	0.0143	-0.4898	0.1857	-0.6755	-1.6150
22	29.25	0.03	5.9684	-9.0030	0.5506	-1.4653	0.1724	-0.4912	0.2053	-0.6965	-1.5084
23	30.00	0.07	6.0034	-9.0083	1.0967	-2.3671	0.2907	-0.4894	0.2224	-0.7118	-1.5005
24	30.12	0.07	6.0901	-8.9931	1.1048	-2.4826	0.4017	-0.4619	0.2340	-0.6960	-1.4767
25	30.40	0.07	6.1697	-9.1536	1.0300	-2.1870	0.3697	-0.4621	0.2381	-0.7003	-1.4836
26	30.73	0.08	6.3086	-9.0856	1.1697	-2.5678	0.3969	-0.4533	0.2523	-0.7057	-1.4402
27	30.97	0.09	6.4311	-9.0779	1.2950	-2.7920	0.4697	-0.4580	0.2590	-0.7171	-1.4116
28	31.24	0.08	6.4100	-9.0650	1.2697	-2.7926	0.4444	-0.4598	0.2582	-0.7191	-1.4142
29	31.53	0.09	6.5470	-9.0098	1.2629	-2.6844	0.4646	-0.4463	0.2720	-0.7184	-1.3762
30	31.79	0.08	6.5477	-8.9626	1.2468	-2.7162	0.5038	-0.4357	0.2779	-0.7137	-1.3688
31	32.06	0.10	6.7224	-8.8937	1.3885	-2.7035	0.5186	-0.4323	0.2851	-0.7175	-1.3230
32	32.32	0.10	6.9199	-8.8077	1.4230	-2.8044	0.5323	-0.4246	0.2965	-0.7211	-1.2915
33	32.60	0.09	6.9585	-8.8747	1.2852	-2.5795	0.4151	-0.4496	0.2966	-0.7462	-1.2754
34	32.86	0.09	7.1483	-8.7583	1.3101	-2.8151	0.3252	-0.4645	0.3029	-0.7674	-1.2252
35	33.12	0.10	7.2832	-8.8654	1.4747	-3.0510	0.3782	-0.4541	0.3105	-0.7646	-1.2172
36	33.36	0.09	7.3226	-9.0830	1.2726	-2.7566	0.2995	-0.4739	0.3117	-0.7856	-1.2404
37	33.62	0.10	7.4940	-8.8949	1.4267	-2.9360	0.3398	-0.4877	0.3164	-0.8040	-1.1869
38	33.87	0.09	7.5398	-8.7705	1.3583	-2.9190	0.3922	-0.4616	0.3226	-0.7842	-1.1632
39	34.13	0.09	7.6721	-8.5527	1.3610	-2.8777	0.4581	-0.4717	0.3244	-0.7961	-1.1148
40	34.36	0.08	7.7319	-8.6764	1.1341	-2.5388	0.4316	-0.4831	0.3252	-0.8082	-1.1221
41	34.61	0.06	7.7919	-8.6339	0.8809	-2.1721	0.3271	-0.4823	0.3231	-0.8053	-1.1081
42	34.86	0.06	7.8322	-8.6113	0.9258	-2.3027	0.3205	-0.4953	0.3196	-0.8148	-1.0995
43	35.10	0.06	8.0340	-8.6538	1.0024	-2.3965	0.3085	-0.5135	0.3209	-0.8343	-1.0772
44	35.32	0.03	8.0672	-8.7279	0.5011	-1.4189	0.0923	-0.5494	0.3108	-0.8601	-1.0819
45	35.58	0.06	8.2072	-8.8112	0.8678	-1.9443	0.2172	-0.5512	0.3158	-0.8670	-1.0736
46	35.82	0.01	8.2990	-8.9556	0.0949	-0.1650	-0.1103	-0.5925	0.3041	-0.8966	-1.0791

PAGE 1 OF 3
SHEET 2 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
7 161 0.90 1.7 0.0 81WOF34 0.0 0 -20 0 -20 UNKNOWN											
POINT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
47	36.05	-0.00	8.4825	-9.0252	0.0551	-0.0483	-0.1743	-0.5997	0.3006	-0.9003	-1.0640
48	36.31	0.00	8.6675	-9.2347	-0.0142	0.1349	-0.1356	-0.6346	0.3026	-0.9372	-1.0654
49	36.53	0.01	8.6607	-9.0719	0.1156	-0.2430	-0.0307	-0.6270	0.2976	-0.9246	-1.0679
50	36.76	0.03	8.7657	-9.2528	0.3609	-0.5324	0.0349	-0.6403	0.3002	-0.9405	-1.0556
51	37.01	0.01	8.8069	-9.2179	0.1489	-0.4801	0.0931	-0.6444	0.3009	-0.9453	-1.0467
52	37.24	0.01	8.7587	-9.3958	0.2778	-0.5803	0.0355	-0.6589	0.3039	-0.9628	-1.0488
53	37.47	-0.00	9.0656	-9.3803	0.0808	-0.3362	0.0290	-0.6763	0.3030	-0.9792	-1.0367
54	37.74	0.03	9.2016	-9.5565	0.4315	-0.9149	0.1468	-0.6965	0.3039	-1.0003	-1.0386
55	37.97	0.03	9.2158	-9.6004	0.4619	-1.1104	0.2504	-0.7007	0.3079	-1.0088	-1.0417
56	38.21	0.04	9.4234	-9.7007	0.6037	-1.4563	0.3675	-0.7051	0.3087	-1.0137	-1.0294
57	38.45	0.01	9.4293	-9.7650	0.4330	-1.3566	0.3285	-0.7146	0.3088	-1.0233	-1.0356
58	38.68	0.00	9.5449	-9.8404	0.1876	-0.5975	0.1341	-0.7341	0.3100	-1.0440	-1.0310
59	38.87	0.02	9.6509	-9.8536	0.4188	-1.0699	0.3226	-0.7212	0.3138	-1.0349	-1.0210
60	39.13	0.03	9.6811	-9.7701	0.4787	-1.0626	0.2385	-0.7313	0.3178	-1.0490	-1.0092
61	39.37	0.01	9.8307	-9.8451	0.2768	-0.7365	0.1096	-0.7529	0.3153	-1.0682	-1.0015
62	39.56	0.03	9.8620	-9.7563	0.5482	-1.1343	0.3813	-0.7403	0.3262	-1.0665	-0.9893
63	39.81	0.04	9.9215	-9.9132	0.7564	-1.4573	0.3820	-0.7443	0.3203	-1.0646	-0.9992

PAGE 2 OF 3
SHEET 1 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	161	0.90	1.7	0.0	81WOF34	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CHI	CBI	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-3.83	-0.00	0.0281	0.0084	0.0157	0.3000	0.5580	-0.8100	-0.0188	-0.3527	0.0232	0.4330
2	-3.83	-0.00	0.0340	0.0085	0.0186	0.2508	0.5462	-0.8104	-0.0189	-0.3513	0.0234	0.4334
3	-3.83	0.00	0.0290	0.0082	0.0160	0.2832	0.5507	-0.8122	-0.0185	-0.3511	0.0228	0.4323
4	-3.85	-0.00	0.0243	0.0076	0.0139	0.3120	0.5713	-0.7931	-0.0207	-0.3443	0.0260	0.4330
5	-2.11	-0.00	0.0277	0.0088	0.0146	0.3195	0.5289	-0.7700	-0.0242	-0.3330	0.0315	0.4324
6	-0.44	-0.01	0.0237	0.0104	0.0112	0.4386	0.4726	-0.7307	-0.0252	-0.3162	0.0344	0.4327
7	1.28	-0.01	0.0243	0.0123	0.0105	0.5043	0.4306	-0.6794	-0.0281	-0.2999	0.0413	0.4414
8	2.98	0.00	0.0206	0.0114	0.0087	0.5556	0.4233	-0.6730	-0.0316	-0.3014	0.0470	0.4478
9	4.77	-0.00	0.0200	0.0109	0.0076	0.5469	0.3793	-0.6372	-0.0389	-0.2871	0.0610	0.4507
10	6.46	-0.00	0.0246	0.0116	0.0093	0.4726	0.3789	-0.5870	-0.0446	-0.2727	0.0760	0.4646
11	8.22	0.00	0.0179	0.0108	0.0076	0.6047	0.4235	-0.5147	-0.0454	-0.2480	0.0883	0.4619
12	10.03	-0.00	0.0166	0.0107	0.0081	0.6437	0.4864	-0.3660	-0.0425	-0.1748	0.1162	0.4776
13	11.81	-0.01	0.0151	0.0097	0.0083	0.6414	0.5505	-0.2259	-0.0334	-0.1100	0.1477	0.4867
14	13.69	-0.01	0.0254	0.0097	0.0129	0.3811	0.5070	-0.0942	-0.0195	-0.0493	0.2075	0.5231
15	15.55	0.00	0.0394	0.0096	0.0212	0.2427	0.5370	-0.0021	0.0115	-0.0088	0.5509	0.2403
16	17.48	-0.00	0.0495	0.0104	0.0243	0.2101	0.4905	0.0935	0.0347	0.0293	0.3715	0.3130
17	19.45	-0.00	0.0492	0.0080	0.0243	0.1628	0.4936	0.2152	0.0565	0.0802	0.2623	0.3726
18	21.38	-0.00	0.1050	0.0107	0.0565	0.1020	0.5384	0.3273	0.0729	0.1317	0.2227	0.4025
19	23.39	-0.01	0.1174	0.0091	0.0689	0.0779	0.5868	0.4495	0.0655	0.1877	0.1901	0.4175
20	25.38	-0.01	0.1180	0.0102	0.0711	0.0863	0.6022	0.5657	0.0868	0.2428	0.1535	0.4293
21	27.31	0.02	0.0977	0.0175	0.0283	0.1787	0.2898	0.6690	0.0717	0.2768	0.1072	0.4137
22	29.25	0.03	0.1992	0.0305	0.0602	0.1529	0.3020	0.6565	0.0483	0.2628	0.0736	0.4003
23	30.00	0.07	0.2593	0.0383	0.0850	0.1476	0.3276	0.6648	0.0471	0.2672	0.0708	0.4020
24	30.12	0.07	0.2818	0.0411	0.0963	0.1458	0.3417	0.6449	0.0419	0.2585	0.0650	0.4008
25	30.40	0.07	0.2971	0.0424	0.1070	0.1428	0.3600	0.6638	0.0426	0.2665	0.0642	0.4015
26	30.73	0.08	0.3260	0.0504	0.1181	0.1547	0.3622	0.6517	0.0397	0.2628	0.0609	0.4032
27	30.97	0.09	0.3625	0.0554	0.1389	0.1529	0.3832	0.6416	0.0378	0.2589	0.0590	0.4036
28	31.24	0.09	0.3595	0.0520	0.1379	0.1446	0.3835	0.6522	0.0380	0.2643	0.0582	0.4053
29	31.53	0.09	0.3278	0.0469	0.1314	0.1430	0.4009	0.6540	0.0369	0.2661	0.0564	0.4069
30	31.79	0.08	0.3576	0.0525	0.1410	0.1468	0.3943	0.6417	0.0360	0.2609	0.0561	0.4066
31	32.06	0.10	0.3554	0.0567	0.1416	0.1594	0.3984	0.6327	0.0343	0.2585	0.0542	0.4086
32	32.32	0.10	0.3741	0.0603	0.1477	0.1612	0.3949	0.6789	0.0335	0.2619	0.0524	0.4100
33	32.60	0.09	0.3232	0.0528	0.1181	0.1634	0.3653	0.6552	0.0330	0.2697	0.0503	0.4116
34	32.86	0.09	0.2807	0.0467	0.0913	0.1663	0.3252	0.6700	0.0316	0.2772	0.0472	0.4137
35	33.12	0.10	0.3291	0.0574	0.1126	0.1744	0.3420	0.6725	0.0308	0.2772	0.0458	0.4122
36	33.36	0.09	0.2697	0.0470	0.0814	0.1742	0.3019	0.6928	0.0296	0.2978	0.0428	0.4154
37	33.62	0.10	0.3094	0.0525	0.1063	0.1697	0.3436	0.6930	0.0290	0.2869	0.0419	0.4141
38	33.87	0.09	0.3257	0.0575	0.1204	0.1765	0.3697	0.6918	0.0290	0.2856	0.0419	0.4143
39	34.13	0.09	0.3442	0.0595	0.1354	0.1728	0.3934	0.6890	0.0292	0.2848	0.0424	0.4133
40	34.36	0.08	0.3239	0.0554	0.1277	0.1711	0.3943	0.7003	0.0289	0.2900	0.0413	0.4142
41	34.61	0.06	0.2844	0.0476	0.1083	0.1675	0.3808	0.7066	0.0280	0.2930	0.0396	0.4146
42	34.86	0.06	0.2633	0.0414	0.0991	0.1572	0.3763	0.7077	0.0283	0.2942	0.0400	0.4157
43	35.10	0.06	0.2729	0.0445	0.1031	0.1630	0.3778	0.7224	0.0279	0.3006	0.0386	0.4161
44	35.32	0.03	0.1268	0.0229	0.0338	0.1803	0.2666	0.7414	0.0281	0.3091	0.0379	0.4169
45	35.58	0.06	0.2226	0.0375	0.0786	0.1686	0.3532	0.7517	0.0268	0.3136	0.0357	0.4172
46	35.82	0.01	0.0056	0.0093	-0.0200	1.5893	-3.4386	0.7652	0.0270	0.3198	0.0353	0.4179

PAGE 2 OF 3
SHEET 2 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 161 0.90 1.7				0.0	BLW0F34	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CHI	CBI	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	36.05	-0.00	-0.0468	0.0026	-0.0398	-0.0536	0.8514	0.7662	0.0269	0.3205	0.0351	0.4184
48	36.31	0.00	0.0330	0.0114	-0.0062	0.3470	-0.1888	0.7802	0.0263	0.3267	0.0337	0.4187
49	36.53	0.01	0.0430	0.0115	0.0124	0.2681	0.2892	0.7775	0.0262	0.3254	0.0337	0.4185
50	36.76	0.03	0.0826	0.0119	0.0358	0.1436	0.4335	0.7923	0.0254	0.3315	0.0320	0.4185
51	37.01	0.01	0.0478	0.0119	0.0176	0.2478	0.3687	0.7926	0.0246	0.3322	0.0314	0.4191
52	37.24	0.01	0.0259	0.0064	-0.0003	0.2470	-0.0120	0.8078	0.0242	0.3395	0.0300	0.4203
53	37.47	-0.00	0.0863	0.0129	0.0367	0.1494	0.4255	0.8039	0.0240	0.3370	0.0299	0.4192
54	37.74	0.03	0.0655	0.0138	0.0273	0.2111	0.4165	0.8220	0.0226	0.3453	0.0274	0.4201
55	37.97	0.03	0.1470	0.0190	0.0695	0.1274	0.4728	0.8201	0.0225	0.3443	0.0274	0.4198
56	38.21	0.04	0.2190	0.0255	0.1050	0.1163	0.4794	0.8381	0.0210	0.3519	0.0251	0.4198
57	38.45	0.01	0.1744	0.0200	0.0853	0.1145	0.4890	0.8337	0.0212	0.3503	0.0254	0.4202
58	38.68	0.00	0.1023	0.0163	0.0392	0.1596	0.3833	0.8584	0.0201	0.3615	0.0234	0.4212
59	38.87	0.02	0.1056	0.0132	0.0509	0.1250	0.4822	0.8575	0.0195	0.3599	0.0228	0.4197
60	39.13	0.03	0.1735	0.0212	0.0740	0.1222	0.4262	0.9604	0.0195	0.3618	0.0227	0.4206
61	39.37	0.01	0.1927	0.0206	0.0827	0.1069	0.4291	0.8516	0.0194	0.3560	0.0228	0.4180
62	39.56	0.03	0.2099	0.0225	0.1030	0.1070	0.4907	0.8515	0.0197	0.3569	0.0231	0.4191
63	39.81	0.04	0.2664	0.0235	0.1414	0.0882	0.5308	0.8519	0.0189	0.3550	0.0222	0.4167

PAGE 3 OF 3
SHEET 1 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 161 0.90 1.7				0.0	81WOF34	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	C63	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-3.83	-0.00	0.0295	9.9999	0.0192	9.9999	0.6499	-0.7449	-0.0253	-0.3732	0.0342	0.5011
2	-3.83	-0.00	0.0402	9.9999	0.0231	9.9999	0.5749	-0.7219	-0.0257	-0.3618	0.0356	0.5012
3	-3.83	0.00	0.0299	9.9999	0.0191	9.9999	0.6374	-0.7466	-0.0248	-0.3744	0.0333	0.5014
4	-3.85	-0.00	0.0366	9.9999	0.0225	9.9999	0.6151	-0.7137	-0.0271	-0.3578	0.0380	0.5013
5	-2.11	-0.00	0.0283	9.9999	0.0199	9.9999	0.7043	-0.7089	-0.0313	-0.3551	0.0441	0.5009
6	-0.44	-0.01	0.0299	9.9999	0.0199	9.9999	0.6651	-0.6772	-0.0335	-0.3371	0.0494	0.4979
7	1.28	-0.01	0.0145	9.9999	0.0220	9.9999	0.6371	-0.6333	-0.0372	-0.3167	0.0588	0.5001
8	2.98	0.00	0.0322	9.9999	0.0227	9.9999	0.7048	-0.6456	-0.0453	-0.3280	0.0702	0.5081
9	4.77	-0.00	0.0291	9.9999	0.0220	9.9999	0.7554	-0.5976	-0.0469	-0.3081	0.0785	0.5158
10	6.46	-0.00	0.0347	9.9999	0.0243	9.9999	0.6990	-0.5512	-0.0508	-0.2957	0.0922	0.5384
11	8.22	0.00	0.0312	9.9999	0.0218	9.9999	0.6984	-0.4587	-0.0532	-0.2595	0.1160	0.5638
12	10.03	-0.00	0.0150	9.9999	0.0141	9.9999	0.9423	-0.3333	-0.0474	-0.1868	0.1422	0.5605
13	11.81	-0.01	0.0057	9.9999	0.0113	9.9999	1.9773	-0.2025	-0.0380	-0.1138	0.1874	0.5619
14	13.69	-0.01	0.0107	9.9999	0.0141	9.9999	1.3174	-0.3847	-0.0227	-0.0500	0.2675	0.5901
15	15.55	0.00	0.0260	9.9999	0.0160	9.9999	0.6146	-0.0015	0.0064	-0.0046	-4.4286	3.1357
16	17.48	-0.00	0.0154	9.9999	0.0108	9.9999	0.7011	0.0814	0.0384	0.0379	0.4713	0.4651
17	19.45	-0.00	0.0133	9.9999	0.0096	9.9999	0.7249	0.1880	0.0651	0.0959	0.3462	0.5099
18	21.38	-0.00	0.0212	9.9999	0.0108	9.9999	0.5086	0.3129	0.0858	0.1675	0.2742	0.5355
19	23.39	-0.01	0.0212	9.9999	0.0105	9.9999	0.4940	0.4472	0.0956	0.2493	0.2137	0.5574
20	25.38	-0.01	0.0191	9.9999	0.0105	9.9999	0.5477	0.4889	0.0744	0.2646	0.1523	0.5413
21	27.31	0.02	0.0279	9.9999	0.0137	9.9999	0.4914	0.5157	0.0734	0.2817	0.1423	0.5463
22	29.25	0.03	0.0349	9.9999	0.0177	9.9999	0.5078	0.5402	0.0699	0.2964	0.1293	0.5486
23	30.00	0.07	0.0401	9.9999	0.0193	9.9999	0.4808	0.5355	0.0671	0.2939	0.1252	0.5488
24	30.12	0.07	0.0401	9.9999	0.0200	9.9999	0.4989	0.5381	0.0664	0.2954	0.1235	0.5491
25	30.40	0.07	0.0331	9.9999	0.0163	9.9999	0.4926	0.5388	0.0624	0.2953	0.1158	0.5482
26	30.73	0.08	0.0465	9.9999	0.0219	9.9999	0.4710	0.5358	0.0569	0.2943	0.1062	0.5493
27	30.97	0.09	0.0487	9.9999	0.0222	9.9999	0.4562	0.5354	0.0527	0.2950	0.0985	0.5511
28	31.24	0.08	0.0507	9.9999	0.0240	9.9999	0.4723	0.5417	0.0562	0.2983	0.1038	0.5508
29	31.53	0.09	0.0446	9.9999	0.0206	9.9999	0.4628	0.5364	0.0494	0.2951	0.0921	0.5502
30	31.79	0.05	0.0462	9.9999	0.0210	9.9999	0.4539	0.5356	0.0511	0.2962	0.0953	0.5530
31	32.06	0.10	0.0520	9.9999	0.0230	9.9999	0.4430	0.5513	0.0495	0.3035	0.0898	0.5506
32	32.32	0.10	0.0540	9.9999	0.0244	9.9999	0.4518	0.5522	0.0492	0.3051	0.0891	0.5525
33	32.60	0.09	0.0492	9.9999	0.0234	9.9999	0.4767	0.5536	0.0490	0.3063	0.0885	0.5534
34	32.86	0.09	0.0617	9.9999	0.0284	9.9999	0.4610	0.5549	0.0477	0.3081	0.0860	0.5552
35	33.12	0.10	0.0585	9.9999	0.0268	9.9999	0.4572	0.5649	0.0474	0.3135	0.0839	0.5550
36	33.36	0.09	0.0549	9.9999	0.0255	9.9999	0.4648	0.5647	0.0478	0.3135	0.0847	0.5552
37	33.62	0.10	0.0509	9.9999	0.0225	9.9999	0.4418	0.5604	0.0435	0.3114	0.0776	0.5557
38	33.87	0.09	0.0421	9.9999	0.0193	9.9999	0.4582	0.5449	0.0417	0.3041	0.0765	0.5580
39	34.13	0.09	0.0529	9.9999	0.0237	9.9999	0.4469	0.5609	0.0415	0.3124	0.0740	0.5568
40	34.36	0.08	0.0478	9.9999	0.0215	9.9999	0.4490	0.5690	0.0402	0.3164	0.0707	0.5560
41	34.61	0.06	0.0339	9.9999	0.0162	9.9999	0.4789	0.5581	0.0381	0.3120	0.0682	0.5591
42	34.86	0.06	0.0401	9.9999	0.0173	9.9999	0.4317	0.5727	0.0368	0.3198	0.0643	0.5585
43	35.10	0.06	0.0533	9.9999	0.0248	9.9999	0.4648	0.5763	0.0367	0.3214	0.0637	0.5576
44	35.32	0.03	0.0411	9.9999	0.0185	9.9999	0.4496	0.5839	0.0352	0.3264	0.0604	0.5589
45	35.58	0.06	0.0136	9.9999	0.0087	9.9999	0.6398	0.5807	0.0356	0.3244	0.0612	0.5586
46	35.82	0.01	0.0180	9.9999	0.0083	9.9999	0.4614	0.5988	0.0338	0.3336	0.0564	0.5572

PAGE 3 OF 3
SHEET 2 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 161 0.90 1.7				0.0	81WOF34	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	C83	XCPF3	YCPF3	CNF4	CH4	C84	XCPF4	YCPF4
47	36.05	-0.00	0.0384	9.9999	0.0175	9.9999	0.4570	0.6192	0.0328	0.3439	0.0529	0.5554
48	36.31	0.00	0.0167	9.9999	0.0089	9.9999	0.5329	0.6231	0.0320	0.3461	0.0514	0.5554
49	36.53	0.01	0.0183	9.9999	0.0096	9.9999	0.5272	0.6324	0.0319	0.3506	0.0505	0.5545
50	36.76	0.03	0.0313	9.9999	0.0141	9.9999	0.4508	0.6444	0.0312	0.3574	0.0484	0.5546
51	37.01	0.01	0.0229	9.9999	0.0116	9.9999	0.5079	0.6454	0.0308	0.3580	0.0477	0.5547
52	37.24	0.01	0.0398	9.9999	0.0186	9.9999	0.4663	0.6551	0.0308	0.3626	0.0470	0.5534
53	37.47	-0.00	0.0217	9.9999	0.0119	9.9999	0.5490	0.6548	0.0300	0.3625	0.0459	0.5535
54	37.74	0.03	0.0142	9.9999	0.0076	9.9999	0.5316	0.6734	0.0292	0.3716	0.0434	0.5516
55	37.97	0.03	0.0192	9.9999	0.0102	9.9999	0.5255	0.6650	0.0295	0.3680	0.0444	0.5533
56	38.21	0.04	0.0071	9.9999	0.0040	9.9999	0.5722	0.6840	0.0285	0.3777	0.0416	0.5522
57	38.45	0.01	0.0209	9.9999	0.0094	9.9999	0.4517	0.6817	0.0285	0.3768	0.0418	0.5527
58	38.68	0.00	-0.0012	9.9999	0.0017	9.9999	-1.3303	0.6886	0.0280	0.3808	0.0406	0.5530
59	38.87	0.02	0.0198	9.9999	0.0105	9.9999	0.5304	0.6943	0.0274	0.3836	0.0395	0.5525
60	39.13	0.03	0.0063	9.9999	0.0058	9.9999	0.9159	0.6918	0.0278	0.3824	0.0401	0.5527
61	39.37	0.01	0.0195	9.9999	0.0113	9.9999	0.5785	0.6944	0.0274	0.3838	0.0395	0.5527
62	39.56	0.03	0.0212	9.9999	0.0111	9.9999	0.5233	0.7076	0.0264	0.3903	0.0373	0.5518
63	39.81	0.04	0.0441	9.9999	0.0220	9.9999	0.4989	0.7047	0.0264	0.3888	0.0375	0.5517

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 162 1.00 1.7				0.0	81WOF34	0.0	0	-20	0	-20	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
1	6.74	-0.02	-2.1403	11.3867	0.0138	-0.2489	0.0084	1.4343	0.2654	1.1689	-5.3201
2	6.73	-0.02	-2.1593	11.4863	0.1409	-0.4090	0.0030	1.4552	0.2711	1.1840	-5.3194
3	6.73	-0.03	-2.1642	11.4609	0.0480	-0.3126	0.0143	1.4455	0.2662	1.1792	-5.2956
4	6.88	-0.04	-1.9259	10.6674	-0.0478	-0.2427	0.0025	1.3967	0.2680	1.1287	-5.5389
5	8.77	-0.11	-1.2294	8.4422	0.0427	-0.3806	0.0146	1.2249	0.2608	0.9641	-6.8667
6	10.66	-0.03	-0.5014	6.1509	0.1368	-0.4706	0.0208	1.0414	0.2477	0.7937	-12.2685
7	12.67	-0.02	0.2665	3.8997	0.2074	-0.5390	0.0388	0.8601	0.2326	0.6275	14.6308
8	14.69	-0.04	0.9882	1.8444	0.0120	-0.3058	0.0329	0.6841	0.2235	0.4605	1.9050
9	16.73	-0.03	1.7220	-0.1814	0.0255	-0.2998	0.0452	0.5062	0.2204	0.2837	-0.1054
10	18.86	-0.04	2.5782	-2.4673	0.0153	-0.3034	0.0517	0.3153	0.2272	0.0880	-0.9570
11	20.99	-0.03	3.4216	-4.5797	0.1138	-0.3454	0.0057	0.1331	0.2408	-0.1078	-1.3385
12	23.17	-0.05	4.5844	-6.7480	-0.2224	0.4275	0.1402	-0.0677	0.2432	-0.3110	-1.4720
13	25.39	-0.02	5.6501	-8.3956	0.1992	-0.3127	-0.1422	-0.2456	0.2461	-0.4918	-1.4959
14	27.65	0.03	6.8148	-9.9046	0.8323	-1.6906	-0.2956	-0.4159	0.2541	-0.6700	-1.4534
15	28.86	0.04	7.1862	-10.3279	0.9486	-2.0077	-0.2300	-0.4836	0.2505	-0.7341	-1.4372
16	27.20	-0.00	6.0295	-8.9594	0.4191	-0.7839	-0.2294	-0.3365	0.2432	-0.5797	-1.4693

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 162 1.00 1.7				0.0	01WOF34	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CM1	CB1	XCPF1	YCPF1	CNF2	CM2	CB2	XCPF2	YCPF2
1	6.74	-0.02	0.0085	0.0056	0.0150	0.6585	1.7643	-0.6767	-0.0109	-0.3307	0.0161	0.4887
2	6.73	-0.02	0.0084	0.0052	0.0155	0.6173	1.6353	-0.6822	-0.0108	-0.3331	0.0159	0.4883
3	6.73	-0.03	0.0025	0.0052	0.0129	2.0833	5.1549	-0.6796	-0.0108	-0.3322	0.0159	0.4888
4	6.88	-0.04	-0.0006	0.0053	0.0106	-8.5000	-16.9613	-0.6216	-0.0114	-0.3051	0.0184	0.4909
5	8.77	-0.11	0.0146	0.0071	0.0186	0.4857	1.2757	-0.4764	-0.0086	-0.2368	0.0181	0.4971
6	10.66	-0.07	0.0234	0.0091	0.0273	0.7467	0.9534	-0.3325	-0.0071	-0.1661	0.0094	0.4995
7	12.67	-0.02	0.0260	0.0088	0.0230	0.3400	0.8860	-0.2034	0.0033	-0.1018	-0.0164	0.5004
8	14.69	-0.04	0.0184	0.0073	0.0183	0.3955	0.9921	-0.0611	0.0116	-0.0394	-0.1905	0.6448
9	16.73	-0.03	0.0122	0.0063	0.0188	0.5214	1.5435	0.0640	0.0215	0.0167	0.3360	0.2608
10	18.86	-0.04	0.0238	0.0040	0.0242	0.1659	1.0152	0.2087	0.0383	0.0826	0.1834	0.3957
11	20.99	-0.03	0.0033	0.0018	0.0114	0.5312	3.4297	0.3613	0.0479	0.1512	0.1327	0.4186
12	23.17	-0.05	0.0083	-0.0081	0.0326	-0.9750	3.9161	0.4804	0.0476	0.2128	0.0991	0.4429
13	25.39	-0.02	-0.0251	0.0051	-0.0181	-0.2033	0.7203	0.6621	0.0426	0.3039	0.0544	0.4591
14	27.65	0.03	0.0566	0.0312	-0.0094	0.5515	-0.1669	0.8344	0.0346	0.3855	0.0415	0.4628
15	28.86	0.04	0.0973	0.0404	0.0076	0.4156	0.0778	0.8650	0.0328	0.3992	0.0379	0.4615
16	27.20	-0.00	-0.0054	0.0137	-0.0196	-2.5385	3.6263	0.7174	0.0417	0.3233	0.0581	0.4507

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 162 1.00 1.7				0.0	0.140F34	0.0	0	-20	0	-20	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	6.74	-0.02	0.0355	9.9999	0.0118	9.9999	0.3335	-0.6186	-0.0188	-0.3508	0.0304	0.5671
2	6.73	-0.02	0.0373	9.9999	0.0126	9.9999	0.3363	-0.6226	-0.0195	-0.3522	0.0316	0.5657
3	6.73	-0.03	0.0355	9.9999	0.0123	9.9999	0.3482	-0.6176	-0.0193	-0.3499	0.0313	0.5666
4	6.88	-0.04	0.0313	9.9999	0.0107	9.9999	0.3414	-0.5715	-0.0189	-0.3239	0.0331	0.5667
5	6.77	-0.11	0.0396	9.9999	0.0139	9.9999	0.3509	-0.4405	-0.0153	-0.2513	0.0347	0.5703
6	10.66	-0.03	0.0438	9.9999	0.0156	9.9999	0.3622	-0.3158	-0.0090	-0.1794	0.0286	0.5651
7	12.67	-0.02	0.0474	9.9999	0.0172	9.9999	0.3632	-0.1826	-0.0004	-0.1042	0.0023	0.5709
8	14.69	-0.04	0.0383	9.9999	0.0127	9.9999	0.3308	-0.0679	0.0089	-0.0390	-0.1317	0.5745
9	16.73	-0.03	0.0448	9.9999	0.0154	9.9999	0.3426	0.0483	0.0223	0.0272	0.4602	0.5622
10	19.86	-0.04	0.0472	9.9999	0.0161	9.9999	0.3406	0.1753	0.0402	0.0964	0.2295	0.5498
11	20.99	-0.03	0.0490	9.9999	0.0172	9.9999	0.3516	0.2903	0.0489	0.1668	0.1683	0.5746
12	23.17	-0.05	0.0356	9.9999	0.0118	9.9999	0.3326	0.4433	0.0460	0.2602	0.1037	0.5868
13	25.39	-0.02	0.0453	9.9999	0.0157	9.9999	0.3455	0.4980	0.0485	0.3004	0.0973	0.6032
14	27.65	0.03	0.0661	9.9999	0.0252	9.9999	0.3812	0.5625	0.0517	0.3435	0.0919	0.6106
15	28.86	0.04	0.0713	9.9999	0.0270	9.9999	0.3781	0.5750	0.0525	0.3548	0.0913	0.6170
16	27.20	-0.00	0.0525	9.9999	0.0185	9.9999	0.3517	0.5093	0.0507	0.3145	0.0996	0.6176

PAGE 1 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6											
7 163 1.10 1.7											
PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
0.0 01W0F36 0.0 0 -20 0 -20 UNKNOWN											
POINT	ALPHA	BETA	CM	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
1	6.91	-0.04	-1.9539	10.5786	-0.0060	-0.3441	-0.0132	1.4767	0.3233	1.1534	-5.4140
2	6.93	-0.01	-1.9446	10.5721	0.0728	-0.2011	-0.0186	1.4845	0.3213	1.1612	-5.4366
3	6.92	-0.02	-1.9495	10.7041	0.0037	-0.2025	-0.0132	1.4922	0.3269	1.1653	-5.4906
4	6.92	-0.01	-1.9572	10.5921	0.0685	-0.2636	-0.0078	1.4865	0.3251	1.1614	-5.4118
5	7.29	-0.00	-1.7041	9.8188	0.1708	-0.4544	-0.0074	1.4363	0.3237	1.1127	-5.7619
6	9.30	-0.02	-0.9748	7.6295	0.0189	-0.3038	0.0034	1.2657	0.3220	0.9437	-7.8267
7	11.22	-0.00	-0.3047	5.6438	0.1800	-0.4945	0.0098	1.1216	0.3258	0.7958	-18.5251
8	13.31	-0.00	0.4536	3.4341	0.1443	-0.3495	0.0153	0.9553	0.3300	0.6253	7.5702
9	15.38	-0.03	1.1860	1.5329	-0.0958	-0.1441	0.0209	0.8110	0.3411	0.4699	1.2925
10	17.46	-0.01	1.9458	-0.4417	0.0405	-0.1795	0.0380	0.6442	0.3492	0.2951	-0.2270
11	19.65	-0.02	2.7642	-2.5590	-0.0269	-0.0226	-0.0047	0.4650	0.3517	0.1134	-0.9258
12	21.87	0.00	3.9140	-4.7868	0.1427	-0.1161	-0.0459	0.2704	0.3555	-0.0853	-1.2230
13	24.16	-0.03	5.0316	-6.5691	-0.1976	0.3630	0.0414	0.1050	0.3556	-0.2506	-1.3056
14	26.42	0.00	6.1581	-8.2371	0.2189	-0.4167	0.0840	-0.0586	0.3524	-0.4110	-1.3376
15	28.78	0.02	7.1451	-9.4828	0.4921	-1.1565	-0.0482	-0.2069	0.3465	-0.5534	-1.3272
16	27.89	0.03	6.3307	-8.4302	0.5390	-0.9705	-0.1313	-0.1094	0.3542	-0.4635	-1.3316
17	25.56	-0.01	5.2180	-6.8853	-0.0278	0.3193	0.0686	0.0540	0.3517	-0.2977	-1.3195

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 163 1.10 1.7 0.0 01WOF34 0.0 0 -20 0 -20 UNKNOWN

POINT	ALPHA	BETA	CNF1	CHI	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	6.91	-0.04	0.0006	0.0059	0.0129	0.3333	20.6196	-0.6116	-0.0108	-0.3041	0.0177	0.4970
2	6.93	-0.01	-0.0016	0.0055	0.0129	-3.5333	-8.2479	-0.6067	-0.0110	-0.3015	0.0182	0.4969
3	6.92	-0.02	0.0028	0.0061	0.0142	2.1852	5.0625	-0.6191	-0.0107	-0.3076	0.0173	0.4969
4	6.92	-0.01	-0.0006	0.0057	0.0127	-9.1667	-20.2870	-0.6121	-0.0108	-0.3043	0.0177	0.4971
5	7.29	-0.00	0.0051	0.0069	0.0154	1.3469	3.0135	-0.5532	-0.0090	-0.2759	0.0164	0.4988
6	9.30	-0.02	0.0075	0.0074	0.0178	0.9861	2.3835	-0.4083	-0.0050	-0.2050	0.0122	0.5020
7	11.22	-0.00	0.0119	0.0085	0.0206	0.7193	1.7416	-0.2777	0.0021	-0.1421	-0.0075	0.5117
8	13.31	-0.00	0.0078	0.0078	0.0195	1.0000	2.5010	-0.1363	0.0107	-0.0772	-0.0786	0.5662
9	15.38	-0.03	-0.0050	0.0062	0.0155	-1.2500	-3.0971	-0.0237	0.0199	-0.0227	-0.8377	0.9563
10	17.46	-0.01	-0.0018	0.0042	0.0201	-2.3529	-11.3958	0.1157	0.0311	0.0376	0.2696	0.3245
11	19.65	-0.02	-0.0140	0.0012	0.0103	-0.0889	-0.7317	0.2671	0.0375	0.1044	0.1405	0.3907
12	21.87	0.00	-0.0198	-0.0006	0.0061	0.0316	-0.3099	0.4181	0.0418	0.1775	0.1500	0.4245
13	24.16	-0.03	-0.0238	-0.0079	0.0117	0.3319	-0.4923	0.5326	0.0436	0.2359	0.0818	0.4430
14	26.42	0.00	0.0350	0.0191	0.0054	0.5460	0.1540	0.7033	0.0337	0.3217	0.0479	0.4574
15	28.78	0.02	0.0683	0.0154	0.0278	0.2253	0.4070	0.7896	0.0323	0.3635	0.0410	0.4667
16	27.89	0.03	0.0195	0.0127	0.0030	0.6489	0.1539	0.7098	0.0350	0.3223	0.0494	0.4541
17	25.56	-0.01	-0.0239	-0.0133	0.0187	0.5565	-0.7808	0.5433	0.0449	0.2344	0.0827	0.4316

PAGE 3 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6												
7 163 1.10 1.7												
PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
0.0 81WOF34 0.0 0 -20 0 -20 UNKNOWN												
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	6.91	-0.04	0.0404	9.9999	0.0107	9.9999	0.2642	-0.5753	-0.0173	-0.3236	0.3300	0.5624
2	6.93	-0.01	0.0397	9.9999	0.0100	9.9999	0.2575	-0.5712	-0.0173	-0.3217	0.3302	0.5631
3	6.92	-0.02	0.0477	9.9999	0.0134	9.9999	0.2804	-0.5788	-0.0178	-0.3257	0.0307	0.5628
4	6.92	-0.01	0.0413	9.9999	0.0109	9.9999	0.2639	-0.5703	-0.0175	-0.3209	0.0306	0.5628
5	7.29	-0.00	0.0516	9.9999	0.0157	9.9999	0.3037	-0.5124	-0.0156	-0.2897	0.0304	0.5635
6	9.30	-0.02	0.0502	9.9999	0.0155	9.9999	0.3078	-0.3826	-0.0111	-0.2176	0.0291	0.5668
7	11.22	-0.00	0.0523	9.9999	0.0165	9.9999	0.3154	-0.2586	-0.0029	-0.1430	0.0076	0.5725
8	13.31	-0.00	0.0480	9.9999	0.0147	9.9999	0.3067	-0.1360	0.0089	-0.0777	-0.0657	0.5713
9	15.38	-0.03	0.0416	9.9999	0.0123	9.9999	0.2968	-0.0259	0.0206	-0.0130	-0.7952	0.5009
10	17.46	-0.01	0.0428	9.9999	0.0134	9.9999	0.3124	0.0933	0.0336	0.0520	0.3601	0.5573
11	19.65	-0.02	0.0416	9.9999	0.0128	9.9999	0.3068	0.1954	0.0383	0.1187	0.1958	0.6074
12	21.87	0.00	0.0431	9.9999	0.0142	9.9999	0.3294	0.3097	0.0440	0.1927	0.1420	0.6223
13	24.16	-0.03	0.0295	9.9999	0.0081	9.9999	0.2740	0.4365	0.0437	0.2698	0.1000	0.6158
14	26.42	0.00	0.0440	9.9999	0.0156	9.9999	0.3538	0.4982	0.0461	0.3134	0.0924	0.6290
15	28.78	0.02	0.0546	9.9999	0.0212	9.9999	0.3877	0.5819	0.0444	0.3640	0.0763	0.6255
16	27.89	0.03	0.0477	9.9999	0.0182	9.9999	0.3804	0.5123	0.0442	0.3247	0.0863	0.6338
17	25.56	-0.01	0.0291	9.9999	0.0087	9.9999	0.2993	0.4517	0.0425	0.2829	0.0942	0.6243

PAGE 1 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	164	0.80 1.7	0.0	BIWOF34	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	KCP
1	-5.77	0.03	-3.2542	12.1725	0.0998	-0.2509	0.0095	0.7560	0.1525	0.6035	-3.7406
2	-5.78	0.01	-3.2578	12.1409	0.0711	-0.2104	-0.0128	0.7599	0.1525	0.6074	-3.7267
3	-5.77	0.01	-3.2421	12.1281	0.0441	-0.1205	0.0019	0.7542	0.1511	0.6031	-3.7408
4	-5.20	0.01	-3.0740	11.7275	0.0276	-0.1308	-0.0052	0.7460	0.1381	0.6079	-3.8150
5	-3.44	0.01	-2.7871	10.9106	0.0306	-0.1085	-0.0123	0.6938	0.1238	0.5700	-3.9146
6	-1.80	0.01	-2.3789	9.7669	0.0041	-0.0327	-0.0120	0.6356	0.1062	0.5295	-4.1056
7	-0.11	0.01	-1.9858	8.4209	-0.0156	-0.0662	-0.0119	0.5756	0.0950	0.4805	-4.2405
8	1.58	0.02	-1.3912	6.4788	0.0320	-0.0860	-0.0336	0.5026	0.0920	0.4105	-4.6569
9	3.40	0.02	-0.7535	4.3022	0.0447	-0.1254	-0.0260	0.4304	0.0915	0.3389	-5.7097
10	5.07	0.01	-0.1649	2.3799	-0.0010	-0.0831	-0.0332	0.3671	0.0891	0.2779	-14.4334
11	6.86	0.02	0.3548	0.8678	0.0280	-0.1121	-0.0105	0.3178	0.0978	0.2200	2.4460
12	8.60	0.02	0.7685	-0.2741	0.0293	-0.0885	-0.0026	0.2759	0.1063	0.1697	-0.3566
13	10.34	0.02	1.2956	-1.7522	0.0585	-0.1428	-0.0242	0.2167	0.1125	0.1043	-1.3524
14	12.15	0.02	1.9435	-3.6795	0.0161	-0.1058	-0.0242	0.1260	0.1169	0.0091	-1.8932
15	13.96	0.02	2.6630	-5.8456	-0.0426	-0.0537	-0.0239	0.0406	0.1202	-0.0795	-2.1951
16	15.84	0.02	3.3816	-8.0292	-0.0008	-0.1219	-0.0160	-0.0335	0.1264	-0.1599	-2.3744
17	17.74	0.02	3.9989	-9.8205	-0.0555	0.0043	-0.0156	-0.0865	0.1359	-0.2224	-2.4558
18	19.58	0.02	4.4655	-10.9287	-0.0591	-0.0465	0.0221	-0.0949	0.1493	-0.2442	-2.4473
19	21.45	0.01	4.7373	-11.2073	-0.1184	-0.2375	0.0674	-0.0304	0.1821	-0.2328	-2.3658
20	23.31	0.01	4.9286	-11.0224	-0.1512	-0.0163	0.1864	-0.0025	0.2231	-0.2256	-2.2364
21	25.12	0.01	5.3098	-11.6209	-0.2199	0.0949	0.2835	0.0091	0.2708	-0.2617	-2.1886
22	27.00	0.04	5.8174	-12.2914	0.1149	-0.0852	0.1673	-0.0007	0.3162	-0.3169	-2.1128
23	28.34	2.77	5.8360	-12.0968	0.2949	-0.3071	0.1688	-0.2164	0.3412	-0.5576	-2.0728
24	28.21	0.05	6.0151	-12.3247	0.3229	-0.3336	0.1912	0.0099	0.3493	-0.3394	-2.0490
25	28.56	0.05	6.0693	-12.3427	0.3816	-0.4282	0.1919	0.0119	0.3568	-0.3429	-2.0336
26	28.89	0.05	6.1709	-12.4363	0.4059	-0.5429	0.2225	0.0030	0.3618	-0.3388	-2.0153
27	29.16	0.06	6.2636	-12.5104	0.4698	-0.5531	0.2823	0.0088	0.3732	-0.3644	-1.9973
28	29.46	0.06	6.3670	-12.6459	0.5403	-0.6851	0.3051	0.0025	0.3819	-0.3794	-1.9862
29	29.75	0.06	6.4697	-12.7801	0.6218	-0.8788	0.3132	0.0003	0.3901	-0.3898	-1.9754
30	30.03	0.07	6.5578	-12.8451	0.6409	-0.8593	0.3438	0.0041	0.3938	-0.3897	-1.9588
31	30.29	0.06	6.5626	-12.7787	0.5593	-0.6693	0.4478	0.0142	0.3990	-0.3848	-1.9472
32	30.55	0.06	6.6624	-12.9459	0.6586	-1.0478	0.4189	0.0072	0.4053	-0.3981	-1.9431
33	30.83	0.06	6.7660	-13.1194	0.6674	-0.9408	0.4636	0.0013	0.4115	-0.4102	-1.9398
34	31.09	0.05	6.8002	-13.0575	0.6629	-0.9634	0.5224	0.0058	0.4164	-0.4106	-1.9201
35	31.37	0.07	6.9508	-13.2495	0.7400	-1.0116	0.5675	0.0115	0.4299	-0.4184	-1.9062
36	31.64	0.06	7.0179	-13.3323	0.7016	-1.1031	0.4936	-0.0027	0.4289	-0.4316	-1.8998
37	31.91	0.06	7.1235	-13.3956	0.8176	-1.2509	0.5091	-0.0079	0.4380	-0.4459	-1.8885
38	32.17	0.07	7.2032	-13.4076	0.8459	-1.2794	0.5900	-0.0036	0.4361	-0.4397	-1.8613
39	32.43	0.04	7.3792	-13.5054	0.5430	-1.0220	0.2714	-0.0325	0.4376	-0.4701	-1.8302
40	32.69	0.05	7.3729	-13.4350	0.6454	-1.1101	0.4421	-0.0213	0.4438	-0.4651	-1.8222
41	32.95	0.03	7.5214	-13.5363	0.2364	-0.5205	0.1819	-0.0274	0.4430	-0.4704	-1.7997
42	33.20	0.04	7.6105	-13.6080	0.3840	-0.8912	0.1972	-0.0340	0.4458	-0.4798	-1.7881
43	33.45	0.03	7.7144	-13.5743	0.3005	-0.7994	0.1459	-0.0453	0.4516	-0.4970	-1.7596
44	33.70	0.02	7.8871	-13.7567	0.2997	-0.9531	0.0432	-0.0642	0.4497	-0.5140	-1.7442
45	33.94	0.03	7.8836	-13.5971	0.5114	-1.3515	0.1992	-0.0449	0.4592	-0.5042	-1.7247
46	34.20	0.04	8.0200	-13.8443	0.4590	-1.4260	0.0885	-0.0733	0.4573	-0.5307	-1.7262

PAGE 1 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 164 0.00 1.7 0.0 010F34 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
47	34.44	0.04	8.1121	-13.8295	0.5251	-1.3460	0.1403	-0.0774	0.4621	-0.5396	-1.7048
48	34.68	0.04	8.1783	-13.7939	0.5459	-1.2924	0.2435	-0.0835	0.4588	-0.5424	-1.6867
49	34.94	0.06	8.2998	-13.8396	0.7181	-1.5063	0.3174	-0.0884	0.4664	-0.5549	-1.6675
50	35.17	0.05	8.3818	-13.8584	0.6671	-1.7026	0.1858	-0.0766	0.4778	-0.5545	-1.6534
51	35.40	0.05	8.4880	-13.8301	0.7098	-1.7734	0.1791	-0.0801	0.4912	-0.5713	-1.6294
52	35.65	0.04	8.5062	-13.8710	0.4648	-1.6666	0.0467	-0.0758	0.4978	-0.5736	-1.6307
53	35.89	0.03	8.6083	-13.7095	0.3157	-1.5705	-0.0994	-0.0648	0.5106	-0.5754	-1.5926
54	36.12	0.02	8.6331	-13.6499	0.1504	-1.2596	-0.1728	-0.0516	0.5182	-0.5698	-1.5811
55	36.36	0.04	8.7722	-13.8012	0.4040	-1.6823	-0.0252	-0.0569	0.5230	-0.5799	-1.5733
56	36.60	0.04	8.7981	-13.8187	0.4404	-1.8569	-0.0468	-0.0499	0.5352	-0.5851	-1.5708
57	36.82	0.04	8.9337	-13.8884	0.4313	-1.7340	-0.0926	-0.0714	0.5381	-0.6095	-1.5546
58	37.06	0.03	8.9643	-13.8768	0.3747	-1.6576	0.0560	-0.0583	0.5518	-0.6101	-1.5480
59	37.29	0.04	9.0368	-13.8381	0.4140	-1.7692	0.0054	-0.0561	0.5532	-0.6093	-1.5313
60	37.51	0.04	9.1252	-13.9811	0.4651	-1.9343	0.0570	-0.0690	0.5476	-0.6166	-1.5321
61	37.75	0.05	9.3033	-14.2690	0.6826	-1.9632	0.1602	-0.0831	0.5532	-0.6363	-1.5338
62	37.98	0.04	9.3184	-14.2251	0.6602	-2.2875	0.1606	-0.0848	0.5523	-0.6371	-1.5266
63	38.21	0.05	9.4558	-14.3908	0.7731	-2.4739	0.2565	-0.1001	0.5551	-0.6551	-1.5219
64	38.45	0.06	9.5203	-14.2787	0.8823	-2.4757	0.3157	-0.0966	0.5513	-0.6478	-1.4998
65	38.67	0.06	9.6512	-14.4145	0.8904	-2.5849	0.2943	-0.1072	0.5646	-0.6717	-1.4935
66	38.86	0.07	9.7070	-14.6618	0.9987	-2.3842	0.4112	-0.1294	0.5428	-0.6721	-1.5104
67	39.10	0.07	9.8265	-14.6998	1.0837	-2.2857	0.4409	-0.1424	0.5442	-0.6866	-1.4959
68	39.31	0.07	9.8470	-14.4606	1.0969	-2.2977	0.4561	-0.1301	0.5509	-0.6810	-1.4685
69	39.50	0.07	9.9179	-14.5122	0.9960	-2.1896	0.4268	-0.1397	0.5428	-0.6825	-1.4632
70	39.73	0.07	10.0431	-14.8074	1.0609	-2.1612	0.4270	-0.1639	0.5338	-0.6977	-1.4744
71	39.93	0.07	10.0570	-14.6878	0.9805	-1.9439	0.4122	-0.1662	0.5239	-0.6901	-1.4604
72	40.13	0.08	10.1735	-14.8506	1.1616	-1.8719	0.4272	-0.1673	0.5291	-0.6964	-1.4597
73	40.33	0.08	10.2387	-14.7575	1.1266	-1.7130	0.4861	-0.1588	0.5361	-0.6949	-1.4413
74	40.53	0.09	10.2893	-14.5599	1.2828	-1.7442	0.4940	-0.1389	0.5399	-0.6788	-1.4151
75	40.74	0.11	10.3248	-14.4341	1.4712	-2.0109	0.4810	-0.1311	0.5627	-0.6938	-1.3980
76	40.94	0.09	10.3551	-14.3468	1.4078	-2.0028	0.4886	-0.1223	0.5589	-0.6812	-1.3855
77	41.14	0.10	10.4206	-14.1789	1.5070	-1.9550	0.5038	-0.1116	0.5674	-0.6790	-1.3607
78	41.35	0.11	10.5198	-14.3636	1.5526	-1.9852	0.5040	-0.1334	0.5664	-0.6978	-1.3654
79	41.54	0.11	10.6137	-14.3733	1.6040	-2.3669	0.4839	-0.1302	0.5657	-0.6959	-1.3542
80	41.74	0.09	10.6104	-14.3687	1.4349	-1.6458	0.5049	-0.1288	0.5718	-0.7006	-1.3542
81	41.94	0.11	10.8040	-14.5174	1.7116	-2.0314	0.4767	-0.1204	0.5803	-0.7007	-1.3437
82	42.11	0.11	10.8137	-14.5591	1.6999	-2.3794	0.4625	-0.1243	0.5889	-0.7132	-1.3464
83	42.31	0.11	10.8767	-14.4237	1.6620	-2.0481	0.4625	-0.1151	0.5903	-0.7054	-1.3261
84	42.50	0.13	10.9816	-14.4682	1.8755	-2.3769	0.4634	-0.1233	0.5946	-0.7179	-1.3175
85	42.67	0.12	10.9998	-14.2233	1.7328	-1.7537	0.4408	-0.1093	0.6013	-0.7106	-1.2931
86	42.84	0.12	11.0430	-14.2373	1.6948	-1.6283	0.4482	-0.1129	0.6003	-0.7132	-1.2893
87	43.03	0.12	11.0727	-14.1111	1.8198	-1.8596	0.4121	-0.1207	0.5984	-0.7191	-1.2744
88	43.22	0.12	11.1911	-14.3759	1.8171	-1.7417	0.4055	-0.1251	0.6020	-0.7271	-1.2846
89	43.39	0.14	11.2849	-14.3400	1.8641	-1.4304	0.4046	-0.1347	0.6072	-0.7419	-1.2707
90	43.56	0.14	11.4317	-14.4831	1.8448	-1.5038	0.3906	-0.1325	0.6096	-0.7421	-1.2674
91	43.76	0.15	11.4471	-14.3707	1.9260	-1.1176	0.3450	-0.1350	0.6120	-0.7478	-1.2554
92	43.93	0.14	11.7036	-14.9695	1.8235	-0.6778	0.2848	-0.1427	0.6143	-0.7570	-1.2790

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 164 0.80 1.7				0.0	81WOF34	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP	
93	44.11	0.14	11.6755	-14.6292	1.8424	-1.3154	0.3694	-0.1444	0.6176	-0.7620	-1.2538	
94	44.30	0.14	11.7143	-14.7489	1.8294	-1.2636	0.3619	-0.1374	0.6232	-0.7606	-1.2591	
95	44.48	0.15	11.7889	-14.6756	1.8349	-0.8305	0.2967	-0.1410	0.6209	-0.7619	-1.2449	
96	44.56	0.14	11.7716	-14.6420	1.8330	-1.5041	0.3632	-0.1558	0.6180	-0.7738	-1.2438	
97	44.83	0.14	11.8753	-14.7781	1.7434	-1.1038	0.3695	-0.1409	0.6276	-0.7685	-1.2446	
98	45.02	0.15	12.0194	-14.9591	1.9126	-1.4724	0.3341	-0.1562	0.6256	-0.7818	-1.2446	
99	45.21	0.14	12.1286	-14.9165	1.8150	-0.9187	0.3252	-0.1599	0.6252	-0.7851	-1.2299	
100	45.38	0.14	12.1980	-15.0221	1.8118	-0.9809	0.3035	-0.1577	0.6291	-0.7868	-1.2315	
101	45.55	0.14	12.2700	-15.0945	1.8200	-0.8164	0.2808	-0.1745	0.6314	-0.8059	-1.2302	
102	45.72	0.12	12.3461	-15.0418	1.7825	-0.9394	0.2893	-0.1625	0.6348	-0.7973	-1.2183	
103	45.90	0.13	12.5376	-15.2993	1.8544	-0.7554	0.2592	-0.1891	0.6382	-0.8273	-1.2203	
104	46.08	0.13	12.6034	-15.3024	1.8557	-0.6530	0.2587	-0.1775	0.6378	-0.8153	-1.2141	
105	46.24	0.12	12.6394	-15.2646	1.6912	-0.1322	0.2420	-0.1782	0.6443	-0.8225	-1.2077	
106	46.43	0.12	12.6528	-15.2786	1.6618	-0.0279	0.2120	-0.1872	0.6396	-0.8268	-1.2075	
107	46.60	0.10	12.6390	-15.1205	1.6206	-0.2260	0.2424	-0.1736	0.6425	-0.8161	-1.1963	
108	46.77	0.11	12.7863	-15.1951	1.6862	-0.1542	0.1838	-0.1917	0.6396	-0.8313	-1.1884	
109	46.93	0.11	12.8409	-15.3465	1.5474	0.4879	0.1596	-0.1858	0.6421	-0.8279	-1.1951	
110	47.12	0.11	12.8675	-15.3275	1.6213	0.1038	0.1694	-0.1895	0.6406	-0.8301	-1.1912	
111	47.28	0.10	12.9230	-15.4050	1.4366	0.4480	0.1529	-0.1870	0.6478	-0.8348	-1.1921	
112	47.44	0.10	13.0261	-15.4277	1.5208	0.5808	0.1013	-0.1995	0.6539	-0.8534	-1.1844	
113	47.61	0.09	12.9736	-15.4000	1.3647	0.2551	0.1101	-0.2095	0.6454	-0.8552	-1.1878	

PAGE 2 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	164	0.80	1.7	0.0	81WOF34	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	C01	XCPF1	YCPF1	CNF2	CH2	C02	XCPF2	YCPF2
1	-5.77	0.03	0.0236	0.0084	0.0119	0.3568	0.5055	-0.7153	-0.0433	-0.2969	0.0605	0.4150
2	-5.78	0.01	0.0168	0.0072	0.0099	0.3812	0.5237	-0.7129	-0.0420	-0.2958	0.0589	0.4148
3	-5.77	0.01	0.0146	0.0069	0.0079	0.4714	0.5416	-0.7211	-0.0436	-0.2996	0.0604	0.4153
4	-5.20	0.01	0.0161	0.0071	0.0086	0.4387	0.5343	-0.6969	-0.0499	-0.2907	0.0716	0.4171
5	-3.44	0.01	0.0159	0.0073	0.0073	0.4575	0.4565	-0.6455	-0.0565	-0.2748	0.0875	0.4257
6	-1.03	0.01	0.0124	0.0064	0.0052	0.5462	0.4192	-0.5778	-0.0559	-0.2528	0.0966	0.4375
7	-0.11	0.01	0.0157	0.0070	0.0061	0.4437	0.3898	-0.4922	-0.0553	-0.2212	0.1124	0.4493
8	1.58	0.02	0.0126	0.0068	0.0043	0.5372	0.3381	-0.3696	-0.0487	-0.1693	0.1316	0.4580
9	3.40	0.02	0.0175	0.0074	0.0060	0.4226	0.3445	-0.2278	-0.0348	-0.1045	0.1529	0.4586
10	5.07	0.01	0.0142	0.0059	0.0049	0.4161	0.3423	-0.1065	-0.0190	-0.0509	0.1787	0.4784
11	6.06	0.02	0.0178	0.0067	0.0072	0.3743	0.4026	-0.0099	0.0008	-0.0092	0.0842	0.9347
12	8.60	0.02	0.0152	0.0056	0.0060	0.3699	0.3964	0.0717	0.0239	0.0243	0.3333	0.3384
13	10.34	0.02	0.0206	0.0063	0.0079	0.3081	0.3830	0.1762	0.0424	0.0691	0.2407	0.3920
14	12.15	0.02	0.0260	0.0068	0.0101	0.2600	0.3871	0.2988	0.0614	0.1247	0.2056	0.4173
15	13.96	0.02	0.0239	0.0054	0.0095	0.2261	0.3991	0.4243	0.0701	0.1815	0.1652	0.4278
16	15.84	0.02	0.0281	0.0054	0.0116	0.1926	0.4139	0.5428	0.0698	0.2350	0.1285	0.4328
17	17.74	0.02	0.0294	0.0058	0.0110	0.1979	0.3737	0.6355	0.0658	0.2727	0.1036	0.4292
18	19.58	0.02	0.0419	0.0072	0.0175	0.1712	0.4184	0.6714	0.0505	0.2838	0.0753	0.4228
19	21.45	0.01	0.1205	0.0187	0.0591	0.1553	0.4997	0.6917	0.0434	0.2914	0.0627	0.4213
20	23.31	0.01	0.1188	0.0141	0.0624	0.1190	0.5255	0.6379	0.0300	0.2641	0.0471	0.4141
21	25.12	0.01	0.1325	0.0116	0.0757	0.0879	0.5717	0.6572	0.0282	0.2737	0.0429	0.4164
22	27.00	0.04	0.0854	0.0168	0.0272	0.1973	0.3184	0.6945	0.0279	0.2880	0.0401	0.4146
23	36.34	2.77	0.1024	0.0234	0.0272	0.2284	0.2654	0.6946	0.0283	0.2867	0.0407	0.4128
24	28.21	0.05	0.0982	0.0241	0.0228	0.2458	0.2325	0.6953	0.0283	0.2866	0.0407	0.4122
25	28.56	0.05	0.1023	0.0264	0.0231	0.2581	0.2261	0.6935	0.0285	0.2852	0.0411	0.4112
26	28.89	0.05	0.1264	0.0305	0.0338	0.2410	0.2675	0.6987	0.0285	0.2871	0.0408	0.4110
27	29.16	0.06	0.1368	0.0285	0.0471	0.2082	0.3442	0.7045	0.0283	0.2893	0.0401	0.4107
28	29.46	0.06	0.1463	0.0318	0.0488	0.2175	0.3333	0.7117	0.0278	0.2925	0.0390	0.4110
29	29.75	0.06	0.1556	0.0313	0.0545	0.2011	0.3499	0.7246	0.0276	0.2982	0.0380	0.4116
30	30.03	0.07	0.1685	0.0324	0.0656	0.1925	0.3890	0.7208	0.0280	0.2954	0.0388	0.4099
31	30.29	0.06	0.1891	0.0344	0.0802	0.1820	0.4240	0.7236	0.0277	0.2963	0.0382	0.4095
32	30.55	0.06	0.2178	0.0383	0.0916	0.1757	0.4205	0.7346	0.0272	0.3010	0.0371	0.4098
33	30.83	0.06	0.2167	0.0357	0.1027	0.1646	0.4740	0.7402	0.0273	0.3044	0.0369	0.4112
34	31.09	0.05	0.2375	0.0385	0.1166	0.1620	0.4910	0.7323	0.0274	0.2999	0.0375	0.4095
35	31.37	0.07	0.2404	0.0393	0.1165	0.1635	0.4846	0.7504	0.0270	0.3081	0.0360	0.4108
36	31.64	0.06	0.2288	0.0362	0.1114	0.1581	0.4865	0.7613	0.0266	0.3133	0.0350	0.4115
37	31.91	0.06	0.2480	0.0412	0.1148	0.1660	0.4631	0.7626	0.0264	0.3132	0.0346	0.4107
38	32.17	0.07	0.2710	0.0470	0.1260	0.1734	0.4652	0.7567	0.0265	0.3089	0.0350	0.4082
39	32.43	0.04	0.1596	0.0228	0.0678	0.1427	0.4251	0.8090	0.0242	0.3319	0.0299	0.4102
40	32.69	0.05	0.2227	0.0363	0.1018	0.1541	0.4569	0.8071	0.0244	0.3299	0.0303	0.4087
41	32.95	0.03	0.1003	0.0133	0.0402	0.1326	0.4012	0.8275	0.0237	0.3383	0.0286	0.4088
42	33.20	0.04	0.1256	0.0178	0.0552	0.1416	0.4394	0.8361	0.0237	0.3416	0.0284	0.4086
43	33.45	0.03	0.0920	0.0098	0.0315	0.1062	0.3427	0.8527	0.0228	0.3498	0.0267	0.4102
44	33.70	0.02	0.0827	0.0076	0.0228	0.0918	0.2761	0.8684	0.0214	0.3551	0.0247	0.4089
45	33.94	0.03	0.1653	0.0206	0.0714	0.1245	0.4317	0.8567	0.0225	0.3503	0.0262	0.4089
46	34.20	0.04	0.1495	0.0181	0.0520	0.1218	0.3500	0.8806	0.0213	0.3614	0.0242	0.4104

PAGE 2 OF 3
SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

POINT	ALPHA	BETA	CNF1	CHI	CBI	XCPF1	YCPF1	CNF2	CH2	CBI2	XCPF2	YCPF2
47	34.44	0.04	0.1732	0.0172	0.0518	0.1288	0.3887	0.8847	0.0205	0.3634	0.0232	0.4107
48	34.68	0.04	0.1479	0.0184	0.0590	0.1245	0.3992	0.8808	0.0206	0.3624	0.0234	0.4114
49	34.94	0.06	0.2192	0.0333	0.0949	0.1518	0.4331	0.8643	0.0210	0.3550	0.0243	0.4107
50	35.17	0.05	0.1857	0.0251	0.0659	0.1349	0.3547	0.8887	0.0201	0.3643	0.0226	0.4100
51	35.40	0.05	0.1489	0.0205	0.0410	0.1376	0.2752	0.9104	0.0190	0.3740	0.0209	0.4108
52	35.65	0.04	0.1490	0.0204	0.0362	0.1368	0.2430	0.9053	0.0194	0.3717	0.0215	0.4106
53	35.89	0.03	0.0692	0.0151	-0.0108	0.2177	-0.1558	0.9010	0.0194	0.3698	0.0216	0.4104
54	36.12	0.02	0.0213	0.0120	-0.0393	0.5610	-1.8446	0.5949	0.0192	0.3656	0.0215	0.4085
55	36.36	0.04	0.0486	0.0165	-0.0207	0.3405	-0.4273	0.8948	0.0195	0.3658	0.0218	0.4088
56	36.60	0.04	0.0296	0.0187	-0.0329	0.6316	-1.1097	0.8366	0.0195	0.3624	0.0220	0.4087
57	36.82	0.04	0.0898	0.0197	0.0015	0.2188	0.0162	0.9172	0.0177	0.3767	0.0193	0.4107
58	37.06	0.03	0.1161	0.0233	0.0194	0.2005	0.1670	0.9015	0.0181	0.3683	0.0201	0.4085
59	37.29	0.04	0.0961	0.0225	0.0060	0.2338	0.0626	0.9114	0.0183	0.3733	0.0201	0.4096
60	37.51	0.04	0.1022	0.0217	0.0096	0.2126	0.0944	0.9256	0.0171	0.3799	0.0184	0.4104
61	37.75	0.05	0.1620	0.0276	0.0460	0.1791	0.2837	0.9358	0.0163	0.3850	0.0174	0.4114
62	37.98	0.04	0.1886	0.0334	0.0600	0.1770	0.3179	0.9435	0.0159	0.3882	0.0169	0.4114
63	38.21	0.05	0.1922	0.0333	0.0638	0.1731	0.3319	0.9443	0.0155	0.3869	0.0164	0.4098
64	38.45	0.06	0.2281	0.0381	0.0833	0.1668	0.3652	0.9397	0.0157	0.3858	0.0167	0.4105
65	38.67	0.06	0.2239	0.0390	0.0812	0.1742	0.3629	0.9487	0.0150	0.3901	0.0159	0.4112
66	38.86	0.07	0.2777	0.0457	0.1167	0.1647	0.4202	0.9518	0.0149	0.3919	0.0156	0.4118
67	39.10	0.07	0.2702	0.0471	0.1156	0.1743	0.4277	0.9473	0.0150	0.3903	0.0158	0.4120
68	39.31	0.07	0.2705	0.0456	0.1169	0.1687	0.4321	0.9525	0.0149	0.3916	0.0156	0.4111
69	39.50	0.07	0.2689	0.0431	0.1171	0.1605	0.4356	0.9665	0.0135	0.3955	0.0140	0.4122
70	39.73	0.07	0.2506	0.0426	0.1123	0.1701	0.4484	0.9614	0.0140	0.3954	0.0146	0.4113
71	39.93	0.07	0.2744	0.0433	0.1251	0.1576	0.4560	0.9653	0.0134	0.3956	0.0139	0.4129
72	40.13	0.08	0.2703	0.0416	0.1274	0.1538	0.4712	0.9692	0.0127	0.3999	0.0131	0.4126
73	40.33	0.08	0.2789	0.0361	0.1416	0.1294	0.5078	0.9514	0.0140	0.3911	0.0148	0.4111
74	40.53	0.09	0.3056	0.0328	0.1582	0.1072	0.5177	0.9546	0.0130	0.3930	0.0136	0.4117
75	40.74	0.11	0.3198	0.0316	0.1638	0.0958	0.5122	0.9540	0.0131	0.3923	0.0137	0.4113
76	40.94	0.09	0.3622	0.0290	0.1840	0.0801	0.5050	0.9629	0.0127	0.3958	0.0132	0.4118
77	41.14	0.10	0.3437	0.0307	0.1749	0.0892	0.5088	0.9695	0.0121	0.3980	0.0124	0.4106
78	41.35	0.11	0.3218	0.0318	0.1692	0.0989	0.5258	0.9534	0.0131	0.3903	0.0137	0.4099
79	41.54	0.11	0.3439	0.0293	0.1773	0.0852	0.5155	0.9807	0.0119	0.4041	0.0121	0.4128
80	41.74	0.09	0.3458	0.0278	0.1774	0.0803	0.5130	0.9695	0.0115	0.3972	0.0119	0.4097
81	41.94	0.11	0.3565	0.0258	0.1869	0.0723	0.5243	0.9810	0.0107	0.4028	0.0109	0.4106
82	42.11	0.11	0.3524	0.0278	0.1797	0.0788	0.5099	0.9951	0.0098	0.4092	0.0098	0.4112
83	42.31	0.11	0.3706	0.0236	0.1912	0.0637	0.5159	0.9824	0.0106	0.4021	0.0108	0.4093
84	42.50	0.13	0.3817	0.0263	0.1935	0.0699	0.5069	0.9849	0.0104	0.4036	0.0106	0.4098
85	42.67	0.12	0.3554	0.0231	0.1814	0.0650	0.5105	0.9786	0.0100	0.4013	0.0102	0.4100
86	42.84	0.12	0.3620	0.0248	0.1829	0.0686	0.5052	0.9824	0.0105	0.4026	0.0107	0.4098
87	43.03	0.12	0.3408	0.0216	0.1724	0.0635	0.5062	0.9712	0.0101	0.3959	0.0104	0.4076
88	43.22	0.12	0.3416	0.0232	0.1715	0.0679	0.5021	0.9858	0.0097	0.4029	0.0098	0.4087
89	43.39	0.14	0.3201	0.0215	0.1626	0.0672	0.5078	0.9767	0.0104	0.3993	0.0106	0.4088
90	43.56	0.14	0.3150	0.0211	0.1594	0.0670	0.5061	0.9776	0.0098	0.3989	0.0100	0.4080
91	43.76	0.15	0.2884	0.0198	0.1477	0.0685	0.5122	0.9647	0.0105	0.3936	0.0109	0.4080
92	43.93	0.14	0.2818	0.0185	0.1398	0.0657	0.4963	0.9962	0.0087	0.4073	0.0088	0.4088

PAGE 2 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAIL\$ EFFECT\$ DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 164 0.80 1.7				0.0	BIWOF34	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	C01	XCPF1	YCPF1	CNF2	CH2	C02	XCPF2	YCPF2
93	44.11	0.14	0.3147	0.0237	0.1601	0.0753	0.5086	0.9854	0.0094	0.4025	0.0095	0.4085
94	44.30	0.14	0.2945	0.0216	0.1495	0.0734	0.5077	0.9855	0.0094	0.4018	0.0095	0.4077
95	44.48	0.15	0.2566	0.0183	0.1332	0.0713	0.5191	0.9829	0.0090	0.4015	0.0092	0.4085
96	44.66	0.14	0.3006	0.0232	0.1508	0.0771	0.5018	0.9907	0.0086	0.4037	0.0087	0.4076
97	44.83	0.14	0.2797	0.0219	0.1462	0.0754	0.5226	0.9933	0.0084	0.4052	0.0085	0.4079
98	45.02	0.15	0.2994	0.0217	0.1469	0.0726	0.4905	1.0176	0.0071	0.4170	0.0069	0.4098
99	45.21	0.14	0.2531	0.0213	0.1296	0.0842	0.5120	0.9918	0.0090	0.4054	0.0091	0.4088
100	45.38	0.14	0.2722	0.0221	0.1363	0.0814	0.5008	1.0086	0.0073	0.4123	0.0072	0.4087
101	45.55	0.14	0.2587	0.0201	0.1293	0.0776	0.4997	1.0137	0.0071	0.4152	0.0070	0.4095
102	45.72	0.12	0.2448	0.0188	0.1234	0.0769	0.5044	1.0150	0.0072	0.4158	0.0071	0.4096
103	45.90	0.13	0.2172	0.0183	0.1103	0.0843	0.5077	1.0198	0.0075	0.4171	0.0073	0.4094
104	46.08	0.13	0.2212	0.0169	0.1100	0.0766	0.4972	1.0183	0.0070	0.4160	0.0068	0.4085
105	46.24	0.12	0.1742	0.0145	0.0926	0.0830	0.5319	1.0068	0.0074	0.4115	0.0073	0.4088
106	46.43	0.12	0.1888	0.0148	0.0967	0.0782	0.5120	1.0180	0.0064	0.4173	0.0063	0.4100
107	46.60	0.10	0.1957	0.0147	0.1000	0.0749	0.5111	1.0150	0.0060	0.4154	0.0059	0.4092
108	46.77	0.11	0.1985	0.0139	0.0965	0.0702	0.4861	1.0323	0.0053	0.4228	0.0051	0.4096
109	46.93	0.11	0.1522	0.0098	0.0774	0.0642	0.5084	1.0316	0.0054	0.4225	0.0052	0.4096
110	47.12	0.11	0.1544	0.0099	0.0800	0.0640	0.5180	1.0297	0.0053	0.4220	0.0051	0.4098
111	47.28	0.10	0.1255	0.0073	0.0688	0.0580	0.5480	1.0234	0.0051	0.4183	0.0050	0.4087
112	47.44	0.10	0.1392	0.0064	0.0713	0.0463	0.5119	1.0425	0.0043	0.4271	0.0041	0.4097
113	47.61	0.09	0.1399	0.0038	0.0717	0.0275	0.5122	1.0541	0.0033	0.4331	0.0032	0.4109

PAGE 3 OF 3
SHEET 1 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	164	0.80	1.7	0.0	81WOF34	0.0	0	-10	0	-10	JNKNDJN	
POINT	ALPHA	BETA	CNF3	CM3	CB3	XCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4
1	-5.77	0.03	0.0072	9.9999	0.0067	9.9999	0.9399	-0.7439	-0.0433	-0.3030	0.0581	0.4073
2	-5.78	0.01	0.0095	9.9999	0.0082	9.9999	0.8662	-0.7447	-0.0433	-0.3035	0.0581	0.4076
3	-5.77	0.01	0.0036	9.9999	0.0062	9.9999	1.7104	-0.7457	-0.0439	-0.3037	0.0588	0.4073
4	-5.20	0.01	0.0048	9.9999	0.0068	9.9999	1.4315	-0.7238	-0.0499	-0.2975	0.0690	0.4111
5	-3.44	0.01	0.0018	9.9999	0.0062	9.9999	3.5214	-0.6788	-0.0553	-0.2836	0.0815	0.4178
6	-1.80	0.01	-0.0029	9.9999	0.0046	9.9999	-1.5679	-0.6103	-0.0572	-0.2611	0.0937	0.4278
7	-0.11	0.01	0.0011	9.9999	0.0061	9.9999	5.3514	-0.5251	-0.0570	-0.2301	0.1085	0.4382
8	1.58	0.02	0.0011	9.9999	0.0065	9.9999	5.7142	-0.4049	-0.0505	-0.1807	0.1248	0.4463
9	3.40	0.02	0.0028	9.9999	0.0073	9.9999	2.5867	-0.2669	-0.0380	-0.1165	0.1422	0.4365
10	5.07	0.01	0.0022	9.9999	0.0079	9.9999	3.6108	-0.1395	-0.0216	-0.0596	0.1550	0.4275
11	6.86	0.02	-0.0014	9.9999	0.0071	9.9999	-5.2189	-0.0366	-0.0048	-0.0142	0.1307	0.3883
12	8.60	0.02	-0.0014	9.9999	0.0064	9.9999	-4.7584	0.0448	0.0195	0.0159	0.4362	0.4213
13	10.34	0.02	0.0052	9.9999	0.0078	9.9999	1.4966	0.1485	0.0409	0.0614	0.2752	0.4136
14	12.15	0.02	0.0047	9.9999	0.0074	9.9999	1.5742	0.2636	0.0593	0.1117	0.2249	0.4239
15	13.76	0.02	0.0006	9.9999	0.0054	9.9999	8.6469	0.3855	0.0697	0.1682	0.1807	0.4362
16	15.84	0.02	0.0042	9.9999	0.0061	9.9999	1.4716	0.5116	0.0704	0.2264	0.1376	0.4428
17	17.74	0.02	0.0031	9.9999	0.0049	9.9999	1.5631	0.6000	0.0639	0.2637	0.1066	0.4399
18	19.58	0.02	0.0098	9.9999	0.0055	9.9999	0.5625	0.6474	0.0493	0.2799	0.0761	0.4323
19	21.45	0.01	0.0044	9.9999	0.0044	9.9999	0.9977	0.6052	0.0332	0.2553	0.0548	0.4235
20	23.31	0.01	0.0009	9.9999	0.0024	9.9999	2.5497	0.6115	0.0311	0.2616	0.0508	0.4279
21	25.12	0.01	-0.0073	9.9999	-0.0006	9.9999	0.0855	0.6478	0.0302	0.2793	0.0465	0.4311
22	27.00	0.04	0.0003	9.9999	0.0027	9.9999	8.6469	0.6996	0.0280	0.3048	0.0400	0.4356
23	36.34	2.77	0.0023	9.9999	0.0018	9.9999	0.7710	0.7010	0.0282	0.3058	0.0402	0.4363
24	28.21	0.05	0.0093	9.9999	0.0046	9.9999	0.4933	0.7160	0.0274	0.3125	0.0383	0.4364
25	26.56	0.05	0.0058	9.9999	0.0030	9.9999	0.5167	0.7158	0.0278	0.3128	0.0388	0.4370
26	28.89	0.05	0.0099	9.9999	0.0057	9.9999	0.5776	0.7238	0.0273	0.3169	0.0378	0.4379
27	29.16	0.06	0.0082	9.9999	0.0034	9.9999	0.4168	0.7323	0.0268	0.3197	0.0366	0.4368
28	29.46	0.06	0.0035	9.9999	0.0010	9.9999	0.2934	0.7409	0.0265	0.3242	0.0358	0.4375
29	29.75	0.06	0.0047	9.9999	0.0019	9.9999	0.3991	0.7424	0.0264	0.3254	0.0356	0.4384
30	30.03	0.07	0.0064	9.9999	0.0027	9.9999	0.4184	0.7507	0.0265	0.3286	0.0353	0.4378
31	30.29	0.06	-0.0052	9.9999	-0.0031	9.9999	0.5986	0.7593	0.0261	0.3324	0.0344	0.4377
32	30.55	0.06	0.0095	9.9999	0.0040	9.9999	0.4276	0.7478	0.0268	0.3271	0.0359	0.4374
33	30.83	0.06	0.0042	9.9999	0.0013	9.9999	0.3243	0.7749	0.0256	0.3391	0.0330	0.4376
34	31.09	0.05	0.0083	9.9999	0.0030	9.9999	0.3617	0.7635	0.0257	0.3340	0.0336	0.4375
35	31.37	0.07	0.0094	9.9999	0.0046	9.9999	0.4878	0.7820	0.0251	0.3421	0.0320	0.4375
36	31.64	0.06	0.0153	9.9999	0.0061	9.9999	0.4004	0.7819	0.0251	0.3425	0.0320	0.4381
37	31.91	0.06	0.0100	9.9999	0.0040	9.9999	0.4053	0.7812	0.0253	0.3429	0.0323	0.4389
38	32.17	0.07	0.0101	9.9999	0.0036	9.9999	0.3600	0.7898	0.0243	0.3472	0.0308	0.4396
39	32.43	0.04	0.0123	9.9999	0.0056	9.9999	0.4566	0.7764	0.0246	0.3401	0.0317	0.4380
40	32.69	0.05	0.0077	9.9999	0.0028	9.9999	0.3640	0.7917	0.0245	0.3478	0.0310	0.4394
41	32.95	0.03	-0.0116	9.9999	-0.0055	9.9999	0.4721	0.7776	0.0247	0.3414	0.0318	0.4390
42	33.20	0.04	-0.0023	9.9999	-0.0018	9.9999	0.7710	0.7965	0.0238	0.3499	0.0299	0.4393
43	33.45	0.03	0.0042	9.9999	0.0011	9.9999	0.2744	0.7900	0.0242	0.3466	0.0307	0.4387
44	33.70	0.02	0.0216	9.9999	0.0092	9.9999	0.4269	0.8070	0.0235	0.3545	0.0291	0.4392
45	33.94	0.03	0.0246	9.9999	0.0100	9.9999	0.4041	0.8103	0.0239	0.3562	0.0295	0.4396
46	34.20	0.04	0.0269	9.9999	0.0106	9.9999	0.3929	0.8139	0.0230	0.3570	0.0282	0.4386

PAGE 3 OF 3
 SHEET 2 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 164 0.80 1.7			0.0	81WOF34	0.0	0	-10	9	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCFF3	YCFF3	CNF4	CH4	CB4	XCFF4	YCFF4
47	34.44	0.04	0.0321	9.9999	0.0127	9.9999	0.3939	0.8279	0.0224	0.3648	0.0270	0.4407
48	34.68	0.04	0.0228	9.9999	0.0093	9.9999	0.4100	0.8153	0.0229	0.3589	0.0281	0.4403
49	34.94	0.06	0.0272	9.9999	0.0117	9.9999	0.4303	0.8356	0.0215	0.3697	0.0258	0.4424
50	35.17	0.05	0.0300	9.9999	0.0139	9.9999	0.4626	0.8375	0.0217	0.3687	0.0259	0.4402
51	35.40	0.05	0.0168	9.9999	0.0075	9.9999	0.4434	0.8330	0.0223	0.3663	0.0267	0.4397
52	35.65	0.04	0.0179	9.9999	0.0091	9.9999	0.5105	0.8296	0.0224	0.3658	0.0269	0.4409
53	35.89	0.03	0.0247	9.9999	0.0123	9.9999	0.4989	0.8153	0.0218	0.3586	0.0268	0.4399
54	36.12	0.02	0.0162	9.9999	0.0073	9.9999	0.4477	0.8294	0.0210	0.3645	0.0253	0.4395
55	36.36	0.04	0.0219	9.9999	0.0101	9.9999	0.4587	0.8289	0.0208	0.3647	0.0251	0.4408
56	36.60	0.04	0.0265	9.9999	0.0124	9.9999	0.4695	0.8315	0.0211	0.3668	0.0254	0.4412
57	36.82	0.04	0.0283	9.9999	0.0131	9.9999	0.4622	0.8461	0.0206	0.3727	0.0243	0.4405
58	37.06	0.03	0.0218	9.9999	0.0107	9.9999	0.4894	0.8524	0.0205	0.3756	0.0240	0.4407
59	37.29	0.04	0.0225	9.9999	0.0114	9.9999	0.5081	0.8520	0.0200	0.3751	0.0234	0.4403
60	37.51	0.04	0.0203	9.9999	0.0087	9.9999	0.4298	0.8641	0.0192	0.3807	0.0223	0.4406
61	37.75	0.05	0.0306	9.9999	0.0141	9.9999	0.4615	0.8802	0.0186	0.3888	0.0211	0.4417
62	37.98	0.04	0.0179	9.9999	0.0087	9.9999	0.4873	0.8843	0.0186	0.3903	0.0210	0.4413
63	38.21	0.05	0.0283	9.9999	0.0130	9.9999	0.4585	0.8999	0.0178	0.3968	0.0198	0.4409
64	38.45	0.06	0.0306	9.9999	0.0143	9.9999	0.4683	0.8926	0.0185	0.3933	0.0207	0.4406
65	38.67	0.06	0.0318	9.9999	0.0145	9.9999	0.4565	0.8983	0.0181	0.3964	0.0201	0.4412
66	38.86	0.07	0.0330	9.9999	0.0150	9.9999	0.4564	0.9166	0.0174	0.4053	0.0189	0.4422
67	39.10	0.07	0.0271	9.9999	0.0122	9.9999	0.4511	0.9300	0.0166	0.4110	0.0179	0.4419
68	39.31	0.07	0.0300	9.9999	0.0133	9.9999	0.4419	0.9294	0.0165	0.4092	0.0178	0.4403
69	39.50	0.07	0.0318	9.9999	0.0142	9.9999	0.4467	0.9381	0.0159	0.4137	0.0170	0.4410
70	39.73	0.07	0.0324	9.9999	0.0143	9.9999	0.4413	0.9591	0.0150	0.4224	0.0156	0.4405
71	39.93	0.07	0.0370	9.9999	0.0166	9.9999	0.4484	0.9436	0.0157	0.4161	0.0166	0.4410
72	40.13	0.08	0.0376	9.9999	0.0168	9.9999	0.4465	0.9492	0.0154	0.4176	0.0162	0.4400
73	40.33	0.08	0.0307	9.9999	0.0132	9.9999	0.4295	0.9368	0.0154	0.4107	0.0164	0.4384
74	40.53	0.09	0.0307	9.9999	0.0132	9.9999	0.4295	0.9089	0.0160	0.3968	0.0176	0.4365
75	40.74	0.11	0.0504	9.9999	0.0226	9.9999	0.4485	0.9062	0.0168	0.3978	0.0186	0.4390
76	40.94	0.09	0.0405	9.9999	0.0185	9.9999	0.4554	0.8644	0.0188	0.3782	0.0218	0.4375
77	41.14	0.10	0.0389	9.9999	0.0167	9.9999	0.4295	0.8837	0.0176	0.3861	0.0199	0.4369
78	41.35	0.11	0.0367	9.9999	0.0149	9.9999	0.4070	0.9052	0.0161	0.3962	0.0178	0.4377
79	41.54	0.11	0.0425	9.9999	0.0174	9.9999	0.4098	0.8931	0.0173	0.3907	0.0193	0.4374
80	41.74	0.09	0.0355	9.9999	0.0158	9.9999	0.4447	0.8936	0.0182	0.3854	0.0206	0.4362
81	41.94	0.11	0.0423	9.9999	0.0192	9.9999	0.4535	0.8729	0.0190	0.3810	0.0218	0.4365
82	42.11	0.11	0.0466	9.9999	0.0197	9.9999	0.4231	0.8979	0.0173	0.3922	0.0192	0.4368
83	42.31	0.11	0.0453	9.9999	0.0198	9.9999	0.4371	0.8672	0.0191	0.3784	0.0221	0.4364
84	42.50	0.13	0.0540	9.9999	0.0242	9.9999	0.4479	0.8653	0.0189	0.3775	0.0219	0.4363
85	42.67	0.12	0.0436	9.9999	0.0194	9.9999	0.4453	0.8525	0.0195	0.3708	0.0229	0.4349
86	42.84	0.12	0.0365	9.9999	0.0168	9.9999	0.4605	0.8610	0.0191	0.3754	0.0222	0.4360
87	43.03	0.12	0.0442	9.9999	0.0196	9.9999	0.4437	0.8510	0.0197	0.3704	0.0231	0.4353
88	43.22	0.12	0.0460	9.9999	0.0206	9.9999	0.4492	0.8611	0.0193	0.3742	0.0225	0.4345
89	43.39	0.14	0.0465	9.9999	0.0213	9.9999	0.4576	0.8668	0.0190	0.3766	0.0220	0.4344
90	43.56	0.14	0.0507	9.9999	0.0218	9.9999	0.4293	0.8684	0.0188	0.3772	0.0217	0.4344
91	43.76	0.15	0.0530	9.9999	0.0232	9.9999	0.4382	0.8713	0.0183	0.3779	0.0210	0.4337
92	43.93	0.14	0.0472	9.9999	0.0206	9.9999	0.4373	0.8776	0.0181	0.3799	0.0206	0.4328

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 3 OF 3

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 164 0.80 1.7				0.0	81WOF34	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	44.11	0.14	0.0496	9.9999	0.0222	9.9999	0.4476	0.8846	0.0177	0.3837	0.0200	0.4338
94	44.30	0.14	0.0473	9.9999	0.0200	9.9999	0.4232	0.8944	0.0175	0.3881	0.0195	0.4339
95	44.48	0.15	0.0549	9.9999	0.0237	9.9999	0.4308	0.9006	0.0174	0.3904	0.0193	0.4334
96	44.66	0.14	0.0491	9.9999	0.0210	9.9999	0.4270	0.8932	0.0171	0.3879	0.0191	0.4342
97	44.83	0.14	0.0467	9.9999	0.0206	9.9999	0.4422	0.9201	0.0168	0.3992	0.0174	0.4339
98	45.02	0.15	0.0502	9.9999	0.0219	9.9999	0.4359	0.9058	0.0168	0.3930	0.0186	0.4338
99	45.21	0.14	0.0485	9.9999	0.0209	9.9999	0.4303	0.9146	0.0161	0.3968	0.0174	0.4339
100	45.38	0.14	0.0520	9.9999	0.0219	9.9999	0.4210	0.9245	0.0153	0.4003	0.0165	0.4330
101	45.55	0.14	0.0541	9.9999	0.0256	9.9999	0.4739	0.9161	0.0156	0.3965	0.0170	0.4328
102	45.72	0.12	0.0543	9.9999	0.0233	9.9999	0.4301	0.9275	0.0150	0.4017	0.0161	0.4330
103	45.90	0.13	0.0566	9.9999	0.0248	9.9999	0.4383	0.9358	0.0151	0.4047	0.0161	0.4325
104	46.08	0.13	0.0543	9.9999	0.0229	9.9999	0.4224	0.9408	0.0141	0.4075	0.0150	0.4331
105	46.24	0.12	0.0460	9.9999	0.0194	9.9999	0.4221	0.9501	0.0137	0.4107	0.0144	0.4323
106	46.43	0.12	0.0527	9.9999	0.0233	9.9999	0.4428	0.9456	0.0133	0.4054	0.0141	0.4319
107	46.60	0.10	0.0528	9.9999	0.0231	9.9999	0.4380	0.9358	0.0137	0.4048	0.0147	0.4326
108	46.77	0.11	0.0499	9.9999	0.0214	9.9999	0.4282	0.9413	0.0136	0.4069	0.0145	0.4322
109	46.93	0.11	0.0412	9.9999	0.0184	9.9999	0.4460	0.9486	0.0130	0.4102	0.0137	0.4324
110	47.12	0.11	0.0469	9.9999	0.0212	9.9999	0.4513	0.9535	0.0127	0.4116	0.0133	0.4317
111	47.28	0.10	0.0424	9.9999	0.0183	9.9999	0.4304	0.9620	0.0121	0.4156	0.0125	0.4316
112	47.44	0.10	0.0465	9.9999	0.0193	9.9999	0.4152	0.9595	0.0120	0.4153	0.0125	0.4328
113	47.61	0.09	0.0494	9.9999	0.0211	9.9999	0.4264	0.9566	0.0122	0.4141	0.0127	0.4329

PAGE 1 OF 3
SHEET 1 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	165	0.90	1.7	0.0	81WOF34	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
1	-5.69	0.03	-3.3104	12.3513	0.0753	-0.4610	-0.0418	0.8550	0.1789	0.6762	-3.7310
2	-5.69	0.02	-3.3109	12.3521	0.1025	-0.4640	-0.0481	0.8485	0.1772	0.6713	-3.7307
3	-5.69	0.02	-3.3076	12.3043	0.0872	-0.4826	-0.0417	0.8538	0.1823	0.6715	-3.7200
4	-5.69	0.02	-3.2851	12.2246	0.1154	-0.4652	-0.0291	0.8473	0.1762	0.6711	-3.7212
5	-5.69	0.02	-3.2782	12.3271	0.1148	-0.4753	-0.0352	0.8474	0.1777	0.6697	-3.7603
6	-5.68	0.02	-3.2322	12.1830	0.0919	-0.4101	-0.0226	0.8505	0.1777	0.6706	-3.7693
7	-5.68	0.02	-3.2490	12.1505	0.1657	-0.5233	-0.0352	0.8421	0.1778	0.6643	-3.7398
8	-5.70	0.01	-3.2736	12.2173	0.0578	-0.3217	-0.0546	0.8539	0.1803	0.6737	-3.7321
9	-5.81	0.02	-3.2455	12.2096	0.2399	-0.6259	-0.0413	0.8565	0.1745	0.6821	-3.7620
10	-5.53	0.01	-3.1715	12.0752	0.1341	-0.3934	-0.0478	0.8495	0.1663	0.6833	-3.8074
11	-3.81	0.00	-2.9130	11.3489	-0.0073	-0.0837	-0.0481	0.7883	0.1392	0.6491	-3.8959
12	-2.16	0.01	-2.5757	10.3440	0.0488	-0.0493	-0.0098	0.7237	0.1162	0.6075	-4.0159
13	-0.46	0.02	-2.2107	9.1981	0.1430	-0.2595	-0.0410	0.6503	0.0936	0.5567	-4.1806
14	1.26	0.01	-1.5761	7.1341	0.0339	-0.0699	-0.0348	0.5474	0.0726	0.4747	-4.5266
15	3.09	0.01	-0.9592	5.0006	0.1070	-0.1845	-0.0217	0.4743	0.0655	0.4088	-5.2133
16	4.82	0.02	-0.2872	2.7260	0.1778	-0.3303	-0.0149	0.4097	0.0705	0.3392	-9.4899
17	6.65	0.02	0.2886	1.0957	0.1296	-0.2419	-0.0082	0.3530	0.0794	0.2735	3.7973
18	8.46	0.30	0.7136	-0.1095	-0.0290	-0.1829	0.0047	0.3124	0.0905	0.2218	-0.1535
19	10.27	0.02	1.3073	-1.8160	0.1673	-0.3020	-0.0136	0.2413	0.0985	0.1429	-1.3891
20	12.14	0.02	1.9449	-3.8159	0.1518	-0.3567	-0.0072	0.1529	0.1023	0.0506	-1.9621
21	14.04	0.02	2.7639	-6.1475	0.1583	-0.4657	-0.0002	0.0429	0.1048	-0.0618	-2.2242
22	16.02	0.01	3.6610	-8.9144	0.0383	-0.2348	-0.0128	-0.0671	0.1118	-0.1759	-2.4350
23	18.05	0.01	4.3836	-11.1024	0.0650	-0.4380	-0.0752	-0.1043	0.1216	-0.2258	-2.5327
24	19.97	0.02	4.7500	-11.7290	0.0324	-0.3123	-0.0332	-0.0625	0.1604	-0.2229	-2.4693
25	21.91	0.02	4.9863	-11.7976	0.0364	-0.0748	0.1040	0.0021	0.2140	-0.2119	-2.3660
26	23.85	0.01	5.3282	-12.0774	-0.0731	-0.1204	0.2255	0.0331	0.2763	-0.2432	-2.2667
27	25.73	0.02	5.7896	-12.6376	-0.0416	-0.0700	0.1448	0.0651	0.3419	-0.2767	-2.1832
28	27.64	0.05	6.7520	-12.7786	0.3311	-0.2499	0.1025	0.0699	0.3816	-0.3117	-2.0439
29	28.15	0.05	6.3593	-12.9345	0.3055	-0.2377	0.1156	0.0405	0.3950	-0.3545	-2.0340
30	28.44	0.05	6.4034	-13.0102	0.3267	-0.3483	0.1163	0.0614	0.3943	-0.3329	-2.0318
31	28.70	0.06	6.5081	-12.9618	0.4651	-0.5209	0.0724	0.0361	0.4017	-0.3656	-1.9916
32	29.04	0.08	6.6224	-13.0950	0.6129	-0.6071	0.1564	0.0652	0.4174	-0.3522	-1.9774
33	29.35	0.09	6.7127	-12.9318	0.7419	-0.9100	0.2534	0.0513	0.4278	-0.3765	-1.9265
34	29.62	0.07	6.7520	-13.0982	0.5932	-0.6732	0.1699	0.0619	0.4286	-0.3667	-1.9399
35	29.90	0.08	6.8403	-13.0133	0.7280	-0.9087	0.2731	0.0681	0.4402	-0.3721	-1.9025
36	30.20	0.08	6.9111	-13.1764	0.7586	-1.0484	0.2478	0.0581	0.4426	-0.3845	-1.9088
37	30.46	0.07	6.9787	-13.1316	0.7183	-1.0468	0.3127	0.0654	0.4520	-0.3866	-1.8817
38	30.72	0.09	7.0606	-13.1639	0.8706	-1.0810	0.3906	0.0657	0.4565	-0.3908	-1.8644
39	31.01	0.10	7.2765	-13.1565	1.0241	-1.4265	0.3921	0.0560	0.4690	-0.4130	-1.8081
40	31.28	0.09	7.3143	-13.1857	0.9802	-1.4534	0.4179	0.0563	0.4710	-0.4147	-1.8027
41	31.56	0.07	7.3826	-13.2626	0.8216	-1.3229	0.3153	0.0559	0.4743	-0.4184	-1.7965
42	31.83	0.07	7.5681	-13.3588	0.7973	-1.2779	0.3287	0.0437	0.4785	-0.4348	-1.7651
43	32.11	0.06	7.7026	-13.4214	0.5914	-1.0685	0.1876	0.0191	0.4756	-0.4565	-1.7425
44	32.36	0.07	7.7746	-13.3531	0.7945	-1.1791	0.2524	0.0473	0.4793	-0.4328	-1.7175
45	32.62	0.04	7.9165	-13.4650	0.4193	-0.7736	0.0468	0.0238	0.4797	-0.4559	-1.7009
46	32.90	0.04	8.0799	-13.4197	0.4580	-0.7601	-0.1832	0.0102	0.4802	-0.4700	-1.6609

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSROC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 2 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHE CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
 7 165 0.90 1.7 0.0 BIWOF34 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	33.15	0.03	8.1789	-13.5397	0.2610	-0.6065	-0.2410	0.0095	0.4865	-0.4769	-1.6554
48	33.40	0.02	8.3250	-13.5075	0.1392	-0.2231	-0.2537	-0.0002	0.4861	-0.4863	-1.6225

PAGE 2 OF 3
SHEET 1 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	165	0.90	1.7	0.0	81WOF34	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.69	0.03	0.0267	0.0098	0.0104	0.3658	0.3882	-0.7186	-0.0352	-0.3007	0.0491	0.4185
2	-5.69	0.02	0.0285	0.0100	0.0113	0.3504	0.3969	-0.7087	-0.0356	-0.2964	0.0502	0.4182
3	-5.69	0.02	0.0289	0.0100	0.0115	0.3453	0.3984	-0.7111	-0.0343	-0.2973	0.0483	0.4181
4	-5.69	0.02	0.0210	0.0087	0.0088	0.4158	0.4198	-0.7098	-0.0351	-0.2971	0.0495	0.4186
5	-5.69	0.02	0.0215	0.0087	0.0087	0.4058	0.4049	-0.7089	-0.0344	-0.2968	0.0485	0.4187
6	-5.68	0.02	0.0239	0.0089	0.0095	0.3739	0.3991	-0.7111	-0.0348	-0.2970	0.0499	0.4177
7	-5.68	0.02	0.0304	0.0103	0.0118	0.3390	0.3895	-0.7067	-0.0344	-0.2959	0.0487	0.4186
8	-5.70	0.01	0.0211	0.0089	0.0083	0.4236	0.3932	-0.7026	-0.0329	-0.2936	0.0468	0.4179
9	-5.81	0.02	0.0266	0.0099	0.0106	0.3711	0.3975	-0.7125	-0.0358	-0.2987	0.0502	0.4192
10	-5.53	0.01	0.0243	0.0102	0.0094	0.4188	0.3880	-0.7065	-0.0414	-0.2981	0.0586	0.4220
11	-3.81	0.00	0.0244	0.0100	0.0074	0.4085	0.3014	-0.6558	-0.0546	-0.2811	0.0832	0.4287
12	-2.16	0.01	0.0257	0.0104	0.0062	0.4049	0.2424	-0.6000	-0.0594	-0.2636	0.0989	0.4393
13	-0.46	0.02	0.0266	0.0110	0.0065	0.4141	0.2455	-0.5230	-0.0602	-0.2361	0.1151	0.4515
14	1.26	0.01	0.0236	0.0111	0.0045	0.4714	0.1890	-0.3926	-0.0577	-0.1800	0.1470	0.4584
15	3.09	0.01	0.0205	0.0088	0.0032	0.4315	0.1570	-0.2593	-0.0453	-0.1177	0.1748	0.4541
16	4.82	0.02	0.0276	0.0085	0.0059	0.3094	0.2146	-0.1227	-0.0286	-0.0560	0.2331	0.4566
17	6.65	0.02	0.0288	0.0086	0.0066	0.2936	0.2305	-0.0187	-0.0003	-0.0126	0.0167	0.4707
18	8.46	0.00	0.0315	0.0075	0.0070	0.2376	0.2206	0.0610	0.0266	0.0175	0.4361	0.2872
19	10.27	0.02	0.0469	0.0085	0.0127	0.1818	0.2699	0.1873	0.0523	0.0722	0.2793	0.3856
20	12.14	0.02	0.0413	0.0049	0.0116	0.1134	0.2815	0.3049	0.0726	0.1247	0.2381	0.4090
21	14.04	0.02	0.0604	0.0053	0.0203	0.0878	0.3366	0.4527	0.0906	0.1953	0.2000	0.4315
22	16.02	0.01	0.0483	0.0025	0.0164	0.0516	0.3390	0.6025	0.0954	0.2667	0.1584	0.4426
23	18.05	0.01	0.0599	0.0054	0.0221	0.0903	0.3690	0.6972	0.0771	0.2968	0.1106	0.4257
24	19.97	0.02	0.0797	0.0095	0.0333	0.1186	0.4176	0.7226	0.0505	0.3025	0.0699	0.4186
25	21.91	0.02	0.0934	0.0117	0.0428	0.1258	0.4589	0.7008	0.0314	0.2871	0.0448	0.4097
26	23.85	0.01	0.1422	0.0143	0.0761	0.1009	0.5353	0.6937	0.0267	0.2854	0.0385	0.4114
27	25.73	0.02	0.0949	0.0071	0.0471	0.0745	0.4961	0.7343	0.0241	0.3013	0.0329	0.4103
28	27.64	0.05	0.0621	0.0232	0.0022	0.3735	0.0351	0.7353	0.0230	0.2998	0.0312	0.4077
29	28.15	0.05	0.0677	0.0197	0.0059	0.2903	0.0874	0.7540	0.0220	0.3085	0.0292	0.4096
30	28.44	0.05	0.0759	0.0192	0.0124	0.2534	0.1640	0.7618	0.0223	0.3113	0.0292	0.4086
31	28.70	0.06	0.0708	0.0134	0.0120	0.1894	0.1700	0.7751	0.0213	0.3179	0.0275	0.4101
32	29.04	0.08	0.0889	0.0270	0.0075	0.3044	0.0841	0.7633	0.0218	0.3106	0.0286	0.4069
33	29.35	0.09	0.1338	0.0346	0.0303	0.2557	0.2264	0.7660	0.0217	0.3124	0.0284	0.4078
34	29.62	0.07	0.1176	0.0261	0.0243	0.2219	0.2064	0.7850	0.0210	0.3222	0.0268	0.4079
35	29.90	0.08	0.1777	0.0423	0.0590	0.2352	0.3322	0.7566	0.0223	0.3076	0.0294	0.4065
36	30.20	0.08	0.1746	0.0375	0.0535	0.2150	0.3066	0.7851	0.0207	0.3199	0.0264	0.4075
37	30.46	0.07	0.1901	0.0322	0.0772	0.1696	0.4061	0.7933	0.0203	0.3256	0.0256	0.4105
38	30.72	0.09	0.1914	0.0356	0.0780	0.1858	0.4075	0.7835	0.0210	0.3201	0.0268	0.4086
39	31.01	0.10	0.2293	0.0522	0.0868	0.2277	0.3787	0.7779	0.0215	0.3172	0.0277	0.4078
40	31.28	0.09	0.2457	0.0551	0.0964	0.2243	0.3922	0.7841	0.0216	0.3199	0.0276	0.4080
41	31.56	0.07	0.2243	0.0461	0.0824	0.2054	0.3673	0.8126	0.0194	0.3336	0.0239	0.4106
42	31.83	0.07	0.1814	0.0349	0.0656	0.1926	0.3614	0.8304	0.0188	0.3417	0.0227	0.4115
43	32.11	0.06	0.1603	0.0302	0.0549	0.1861	0.3423	0.8434	0.0177	0.3464	0.0210	0.4107
44	32.36	0.07	0.1564	0.0329	0.0530	0.2101	0.3390	0.8406	0.0155	0.3446	0.0220	0.4099
45	32.62	0.04	0.0383	0.0072	-0.0044	0.1875	-0.1139	0.8308	0.0168	0.3631	0.0191	0.4122
46	32.90	0.04	-0.0248	-0.0050	-0.0674	0.2008	1.9078	0.8965	0.0159	0.3690	0.0177	0.4116

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 2 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH QX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
 7 165 0.90 1.7 0.0 BIWOF34 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CNFI	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	33.15	0.03	-0.0287	-0.0088	-0.0510	0.3080	1.7786	0.9201	0.0143	0.3793	0.0156	0.4122
48	33.40	0.02	-0.0596	-0.0105	-0.0691	0.1763	1.1597	0.9234	0.0142	0.3807	0.0154	0.4123

PAGE 3 OF 3
SHEET 1 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	1.65	0.90	1.7	0.0	BIWOF34	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.69	0.01	0.0184	9.9999	0.0296	9.9999	0.7706	-0.7345	-0.0335	-0.3026	0.0456	0.4120
2	-5.69	0.02	0.0273	9.9999	0.0245	9.9999	0.8953	-0.7384	-0.0348	-0.3041	0.0472	0.4118
3	-5.69	0.02	0.0333	9.9999	0.0272	9.9999	0.8169	-0.7365	-0.0332	-0.3028	0.0450	0.4111
4	-5.59	0.02	0.0263	9.9999	0.0238	9.9999	0.9031	-0.7263	-0.0335	-0.2986	0.0461	0.4111
5	-5.69	0.02	0.0237	9.9999	0.0230	9.9999	0.9715	-0.7513	-0.0354	-0.3096	0.0471	0.4120
6	-5.68	0.02	0.0213	9.9999	0.0215	9.9999	1.0075	-0.7289	-0.0332	-0.3003	0.0455	0.4120
7	-5.68	0.02	0.0348	9.9999	0.0276	9.9999	0.7922	-0.7292	-0.0326	-0.3002	0.0448	0.4117
8	-5.70	0.01	0.0262	9.9999	0.0244	9.9999	0.9304	-0.7288	-0.0332	-0.2993	0.0455	0.4107
9	-5.81	0.02	0.0368	9.9999	0.0285	9.9999	0.7751	-0.7314	-0.0339	-0.3009	0.0463	0.4115
10	-5.53	0.01	0.0284	9.9999	0.0242	9.9999	0.8515	-0.7388	-0.0408	-0.3053	0.0552	0.4132
11	-3.81	0.00	0.0097	9.9999	0.0127	9.9999	1.3088	-0.7081	-0.0535	-0.2977	0.0756	0.4205
12	-2.16	0.01	0.0054	9.9999	0.0078	9.9999	1.4390	-0.6425	-0.0587	-0.2749	0.0914	0.4279
13	-0.46	0.02	0.0164	9.9999	0.0127	9.9999	0.7704	-0.5702	-0.0612	-0.2532	0.1074	0.4388
14	1.26	0.01	0.0054	9.9999	0.0082	9.9999	1.5158	-0.4331	-0.0603	-0.1936	0.1393	0.4479
15	3.09	0.01	0.0018	9.9999	0.0080	9.9999	4.5191	-0.2931	-0.0469	-0.1279	0.1600	0.4364
16	4.62	0.02	0.0056	9.9999	0.0109	9.9999	1.9400	-0.1588	-0.0317	-0.0679	0.1997	0.4280
17	6.65	0.02	0.0096	9.9999	0.0130	9.9999	1.3556	-0.0393	-0.0083	-0.0188	0.2116	0.4777
18	8.46	0.00	0.0024	9.9999	0.0113	9.9999	4.7283	0.0466	0.0209	0.0146	0.4487	0.3148
19	10.27	0.02	0.0016	9.9999	0.0100	9.9999	6.3854	0.1454	0.0493	0.0549	0.1391	0.3775
20	12.14	0.02	0.0142	9.9999	0.0131	9.9999	0.9176	0.2778	0.0736	0.1167	0.2650	0.4201
21	14.04	0.02	0.0210	9.9999	0.0143	9.9999	0.6816	0.4179	0.0926	0.1835	0.2217	0.4392
22	16.02	0.01	0.0140	9.9999	0.0104	9.9999	0.7391	0.5618	0.0978	0.2571	0.1742	0.4576
23	18.05	0.01	0.0130	9.9999	0.0106	9.9999	0.8141	0.6189	0.0669	0.2656	0.1080	0.4291
24	19.97	0.02	0.0182	9.9999	0.0110	9.9999	0.6043	0.6642	0.0465	0.2864	0.0700	0.4312
25	21.91	0.02	0.0153	9.9999	0.0088	9.9999	0.5769	0.6673	0.0334	0.2853	0.0500	0.4275
26	23.85	0.01	0.0133	9.9999	0.0076	9.9999	0.5690	0.6841	0.0280	0.2951	0.0409	0.4314
27	25.73	0.02	0.0142	9.9999	0.0087	9.9999	0.6117	0.7192	0.0257	0.3115	0.0357	0.4332
28	27.64	0.03	0.0188	9.9999	0.0110	9.9999	0.5843	0.7584	0.0230	0.3308	0.0303	0.4362
29	28.15	0.05	0.0143	9.9999	0.0089	9.9999	0.6218	0.7668	0.0227	0.3346	0.0296	0.4363
30	28.44	0.05	0.0214	9.9999	0.0118	9.9999	0.5521	0.7737	0.0223	0.3351	0.0288	0.4370
31	28.70	0.06	0.0315	9.9999	0.0158	9.9999	0.5005	0.7579	0.0228	0.3313	0.0300	0.4372
32	29.04	0.08	0.0261	9.9999	0.0130	9.9999	0.4969	0.7838	0.0215	0.3440	0.0275	0.4389
33	29.35	0.09	0.0337	9.9999	0.0165	9.9999	0.4896	0.7899	0.0214	0.3476	0.0271	0.4401
34	29.62	0.07	0.0312	9.9999	0.0156	9.9999	0.4989	0.7814	0.0215	0.3429	0.0275	0.4388
35	29.90	0.08	0.0337	9.9999	0.0169	9.9999	0.5019	0.7926	0.0208	0.3514	0.0260	0.4400
36	30.20	0.08	0.0316	9.9999	0.0162	9.9999	0.5120	0.7881	0.0212	0.3460	0.0269	0.4390
37	30.46	0.07	0.0282	9.9999	0.0145	9.9999	0.5154	0.7876	0.0211	0.3461	0.0268	0.4394
38	30.72	0.09	0.0286	9.9999	0.0156	9.9999	0.5442	0.7992	0.0210	0.3521	0.0263	0.4408
39	31.01	0.10	0.0348	9.9999	0.0172	9.9999	0.4944	0.8076	0.0202	0.3563	0.0250	0.4412
40	31.28	0.09	0.0410	9.9999	0.0196	9.9999	0.4786	0.8111	0.0203	0.3578	0.0250	0.4411
41	31.56	0.07	0.0378	9.9999	0.0183	9.9999	0.4824	0.8138	0.0199	0.3594	0.0244	0.4417
42	31.83	0.07	0.0328	9.9999	0.0167	9.9999	0.5099	0.8148	0.0190	0.3609	0.0236	0.4429
43	32.11	0.06	0.0368	9.9999	0.0184	9.9999	0.4989	0.8155	0.0190	0.3612	0.0233	0.4430
44	32.36	0.07	0.0187	9.9999	0.0089	9.9999	0.4767	0.8237	0.0185	0.3647	0.0225	0.4428
45	32.62	0.04	0.0221	9.9999	0.0112	9.9999	0.5059	0.8183	0.0182	0.3616	0.0222	0.4419
46	32.90	0.04	0.0288	9.9999	0.0138	9.9999	0.4791	0.7952	0.0197	0.3508	0.0247	0.4412

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 2 OF 2

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PH1 CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 165 0.90 1.7 0.0 81WOF 34 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CNF3	CH3	CS3	XCPF3	YCPF3	CNF4	CH4	CS4	XCPF4	YCPF4
47	33.15	0.03	0.0241	9.9999	0.0123	9.9999	0.5118	0.7989	0.0185	0.7528	0.0232	0.4416
48	33.40	0.02	0.0110	9.9999	0.0064	9.9999	0.5836	0.8088	0.0181	0.3574	0.0224	0.4419

PAGE 1 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7			1.66	1.00	1.7	0.0	R1WOF34	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CV	CLM	CLL	CA	CAB	CAF	KCP		
1	-0.69	0.02	-2.6995	11.1614	0.0424	-0.2426	-0.0245	0.9696	0.2049	0.7647	-4.1346		
2	-0.69	0.03	-2.6897	11.1115	0.0615	-0.3211	-0.0187	0.9651	0.2072	0.7579	-4.1311		
3	-0.69	0.02	-2.7186	11.2309	0.0087	-0.1915	-0.0016	0.9757	0.2075	0.7682	-4.1311		
4	-0.69	0.04	-2.6608	11.0451	0.1475	-0.5027	-0.0183	0.9778	0.2093	0.7685	-4.1511		
5	0.41	0.03	-2.0385	8.8908	0.0952	-0.3644	-0.0127	0.9009	0.1879	0.7130	-4.3615		
6	2.24	0.03	-1.3331	6.5421	0.0591	-0.3521	-0.0126	0.8058	0.1689	0.6369	-4.9074		
7	4.06	0.03	-0.6621	4.2624	0.1021	-0.4238	-0.0066	0.7154	0.1489	0.5665	-6.4373		
8	5.95	0.03	0.0110	2.0376	0.1689	-0.5389	-0.0003	0.6366	0.1451	0.4916	185.1363		
9	7.89	0.03	0.6259	0.0833	0.1466	-0.5098	-0.0001	0.5596	0.1539	0.4057	0.1331		
10	9.79	0.03	1.3023	-2.0283	0.1142	-0.4511	-0.0058	0.4766	0.1576	0.3191	-1.5575		
11	11.78	0.03	2.1081	-4.5263	0.1411	-0.4604	0.0002	0.3752	0.1610	0.2142	-2.1671		
12	13.80	0.03	3.0045	-7.3234	0.1075	-0.3819	-0.0053	0.2761	0.1688	0.1074	-2.4375		
13	15.86	0.02	3.9010	-10.0048	0.1360	-0.3319	-0.0105	0.1751	0.1807	-0.0056	-2.5647		
14	17.96	0.02	4.7351	-12.3235	0.1147	-0.2758	0.0247	0.0847	0.1938	-0.1091	-2.6026		
15	18.96	0.01	5.3391	-13.1996	0.0676	-0.2433	0.0307	0.0556	0.2019	-0.1463	-2.6194		
16	17.44	0.01	4.1109	-10.5881	0.0782	-0.2787	-0.0104	0.1214	0.1831	-0.0617	-2.5756		
17	14.95	0.01	3.0139	-7.5490	0.1293	-0.4436	0.0005	0.2338	0.1661	0.0677	-2.4384		

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 166 1.00 1.7				0.0	0.100F34	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-0.69	0.02	0.0293	0.0035	0.0131	0.1296	0.4458	-0.6423	-0.0285	-0.3045	0.0444	0.4740
2	-0.69	0.03	0.0343	0.0042	0.0152	0.1212	0.4444	-0.6364	-0.0285	-0.3015	0.0448	0.4737
3	-0.69	0.02	0.0305	0.0036	0.0141	0.1195	0.4631	-0.6503	-0.0286	-0.3080	0.0440	0.4737
4	-0.69	0.04	0.0438	0.0058	0.0196	0.1330	0.4479	-0.6245	-0.0277	-0.2962	0.0443	0.4743
5	0.41	0.03	0.0365	0.0051	0.0155	0.1396	0.4235	-0.4887	-0.0253	-0.2320	0.0517	0.4747
6	2.24	0.03	0.0333	0.0046	0.0136	0.1375	0.4084	-0.3471	-0.0177	-2.1639	0.0509	0.4723
7	4.06	0.03	0.0381	0.0042	0.0154	0.1093	0.4035	-0.2041	-0.0064	-0.0994	0.0316	0.4869
8	5.95	0.03	0.0337	0.0032	0.0142	0.0937	0.4219	-0.0673	0.0041	-0.0397	-0.0603	0.5906
9	7.89	0.03	0.0372	0.0033	0.0169	0.0994	0.4543	0.0521	0.0174	0.0138	0.3133	0.2649
10	9.79	0.03	0.0367	0.0037	0.0169	0.1020	0.4607	0.1797	0.0326	0.0722	0.1817	0.4019
11	11.78	0.03	0.0395	0.0032	0.0171	0.0916	0.4332	0.3290	0.0462	0.1398	0.1403	0.4251
12	13.80	0.03	0.0315	0.0019	0.0144	0.0594	0.4577	0.4869	0.0517	0.2165	0.1061	0.4444
13	15.86	0.02	0.0329	0.0012	0.0148	0.0380	0.4515	0.6488	0.0511	0.2988	0.0787	0.4605
14	17.96	0.02	0.0337	-0.0004	0.0175	-0.0123	0.5204	0.7746	0.0457	0.3590	0.0628	0.4634
15	18.96	0.01	0.0381	-0.0005	0.0190	-0.0137	0.4989	0.8200	0.0473	0.3785	0.0577	0.4616
16	17.44	0.01	0.0372	0.0004	0.0164	0.0112	0.4403	0.6781	0.0509	0.3072	0.0751	0.4530
17	14.95	0.01	0.0402	0.0023	0.0154	0.0568	0.3816	0.4954	0.0517	0.2108	0.1043	0.4255

PAGE 3 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6												
7 166 1.00 1.7 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
0.0 81WOF34 0.0 0 -10 0 -10 UNKNOWN												
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-0.69	0.02	0.0154	9.9999	0.0117	9.9999	0.7618	-0.6841	-0.0299	-0.3217	0.0438	0.4762
2	-0.69	0.03	0.0154	9.9999	0.0117	9.9999	0.7619	-0.6852	-0.0299	-0.3218	0.0437	0.4696
3	-0.69	0.02	0.0123	9.9999	0.0102	9.9999	0.8286	-0.6863	-0.0296	-0.3219	0.0432	0.4690
4	-0.69	0.04	0.0223	9.9999	0.0141	9.9999	0.6341	-0.6769	-0.0300	-0.3177	0.0444	0.4694
5	0.41	0.03	0.0167	9.9999	0.0121	9.9999	0.7251	-0.5414	-0.0267	-0.2502	0.0494	0.4622
6	2.24	0.03	0.0223	9.9999	0.0140	9.9999	0.6294	-0.3920	-0.0197	-0.1767	0.0501	0.4507
7	4.06	0.03	0.0240	9.9999	0.0155	9.9999	0.6436	-0.2532	-0.0094	-0.1110	0.0370	0.4384
8	5.95	0.03	0.0276	9.9999	0.0142	9.9999	0.5158	-0.1102	0.0016	-0.0483	-0.0142	0.4386
9	7.89	0.03	0.0304	9.9999	0.0143	9.9999	0.4715	0.0095	0.0157	0.0053	1.6593	0.5811
10	9.79	0.03	0.0328	9.9999	0.0148	9.9999	0.4529	0.1402	0.0314	0.0615	0.2240	0.4389
11	11.78	0.03	0.0296	9.9999	0.0128	9.9999	0.4306	0.2854	0.0476	0.1242	0.1668	0.4492
12	13.80	0.03	0.0315	9.9999	0.0133	9.9999	0.4215	0.4444	0.0538	0.2093	0.1210	0.4711
13	15.86	0.02	0.0316	9.9999	0.0123	9.9999	0.3906	0.5938	0.0531	0.2885	0.0895	0.4858
14	17.96	0.02	0.0330	9.9999	0.0127	9.9999	0.3840	0.7281	0.0501	0.3582	0.0658	0.4920
15	18.96	0.01	0.0317	9.9999	0.0115	9.9999	0.3631	0.7659	0.0488	0.3783	0.0637	0.4940
16	17.44	0.01	0.0317	9.9999	0.0112	9.9999	0.3533	0.6106	0.0527	0.2980	0.0863	0.4881
17	14.95	0.01	0.0381	9.9999	0.0143	9.9999	0.3762	0.4362	0.0542	0.2057	0.1242	0.4716

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 167 1.10 1.7 0.0 81WOF34 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
1	-1.00	0.00	-2.6894	10.9623	0.0532	-0.3401	-0.0116	1.0559	0.2504	0.8059	-4.0761
2	-1.00	0.02	-2.7214	11.0264	0.1890	-0.3652	-0.0169	1.0638	0.2514	0.8123	-4.0517
3	-1.00	0.00	-2.6829	10.9551	0.0665	-0.3155	-0.0169	1.0530	0.2517	0.8013	-4.0833
4	-1.02	0.01	-2.9440	11.2367	0.1024	-0.3030	-0.0123	1.0682	0.2504	0.8177	-3.8168
5	-0.66	0.01	-2.4204	10.0263	0.1511	-0.4237	-0.0167	1.0377	0.2507	0.7870	-4.1425
6	0.31	0.01	-2.3958	9.0446	0.1301	-0.3956	-0.0259	0.9955	0.2472	0.7443	-4.3750
7	1.25	0.01	-1.7885	8.0206	0.1143	-0.4459	-0.0164	0.9603	0.2465	0.7138	-4.4845
8	2.10	0.01	-1.4839	6.8654	0.1343	-0.4841	-0.0164	0.9174	0.2431	0.6743	-4.6267
9	3.04	0.03	-1.1378	5.8337	0.2921	-0.5113	-0.0266	0.8944	0.2396	0.6547	-5.1272
10	3.97	0.02	-0.7846	4.7024	0.1460	-0.3098	-0.0214	0.8482	0.2370	0.6112	-5.9933
11	4.93	0.01	-0.4434	3.5978	0.0878	-0.1629	-0.0215	0.8076	0.2350	0.5726	-8.1134
12	5.86	0.01	-0.1415	2.5741	0.0089	-0.1460	-0.0002	0.7867	0.2394	0.5473	-18.1940
13	6.83	0.02	0.1596	1.5785	0.2050	-0.4420	-0.0155	0.7493	0.2443	0.5050	9.8915
14	7.85	0.02	0.5147	0.5012	0.1400	-0.3915	0.0006	0.7144	0.2605	0.4538	0.9738
15	8.75	0.02	0.7975	-0.4157	0.2057	-0.4259	0.0009	0.6965	0.2708	0.4256	-0.5212
16	9.75	0.01	1.1905	-1.6149	0.0576	-0.2792	0.0007	0.6580	0.2839	0.3741	-1.3563
17	10.75	0.01	1.6064	-2.9817	-0.0627	-0.0659	0.0003	0.6165	0.2919	0.3247	-1.8561
18	11.79	0.02	1.9874	-4.0447	0.1091	-0.3961	0.0010	0.5780	0.2943	0.2837	-2.0351
19	12.82	0.04	2.4284	-5.3924	0.3032	-0.4033	0.0014	0.5258	0.2937	0.2321	-2.2206
20	13.81	0.02	2.8997	-6.8691	0.0742	-0.2277	0.0012	0.4616	0.2933	0.1684	-2.3689
21	14.84	0.02	3.3200	-8.1205	0.1292	-0.2530	0.0016	0.4019	0.2877	0.1142	-2.4459
22	15.95	0.01	3.7821	-9.4701	0.0035	-0.0902	0.0016	0.3450	0.2849	0.0600	-2.5039
23	17.00	0.01	4.2300	-10.6847	-0.0261	-0.0268	-0.0035	0.2912	0.2863	0.0048	-2.5259
24	18.06	0.02	4.7493	-11.9871	0.0548	-0.1787	-0.0079	0.2448	0.2883	-0.0435	-2.5240
25	18.42	0.02	4.6493	-11.8690	0.1204	-0.2126	0.0079	0.2490	0.2846	-0.0366	-2.5529
26	17.74	0.02	4.2465	-10.6536	0.0466	-0.1404	-0.0405	0.2739	0.2866	-0.0127	-2.5088
27	16.55	0.02	3.7000	-9.2402	0.0903	-0.3208	0.0018	0.3408	0.2838	0.0569	-2.4973

PAGE 2 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 167 1.10 1.7				0.0	81WOF34	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-1.00	0.00	0.0312	0.0045	0.0143	0.1433	0.4590	-0.6254	-0.0250	-0.2968	0.0399	0.4746
2	-1.00	0.02	0.0208	0.0030	0.0102	0.1450	0.4689	-0.6346	-0.0253	-0.3015	0.0398	0.4751
3	-1.00	0.00	0.0251	0.0033	0.0118	0.1328	0.4720	-0.6260	-0.0250	-0.2993	0.0397	0.4751
4	-1.02	0.01	0.0236	0.0031	0.0111	0.1322	0.4703	-0.6303	-0.0248	-0.2995	0.0394	0.4752
5	-0.66	0.01	0.0283	0.0036	0.0127	0.1287	0.4475	-0.5605	-0.0248	-0.2650	0.0443	0.4729
6	0.31	0.01	0.0340	0.0046	0.0151	0.1346	0.4455	-0.5033	-0.0234	-0.2372	0.0465	0.4713
7	1.25	0.01	0.0334	0.0043	0.0146	0.1277	0.4393	-0.4358	-0.0208	-0.2050	0.0477	0.4704
8	2.10	0.01	0.0358	0.0042	0.0152	0.1163	0.4264	-0.3582	-0.0175	-0.1667	0.0488	0.4654
9	3.04	0.03	0.0304	0.0033	0.0130	0.1164	0.4271	-0.2936	-0.0126	-0.1356	0.0428	0.4618
10	3.97	0.02	0.0285	0.0032	0.0120	0.1131	0.4224	-0.2223	-0.0071	-0.1044	0.0318	0.4695
11	4.93	0.01	0.0178	0.0018	0.0089	0.0994	0.5018	-0.1541	-0.0022	-0.0769	0.0142	0.4989
12	5.86	0.01	0.0195	0.0021	0.0102	0.1064	0.5201	-0.0852	0.0027	-0.0480	-0.0317	0.5640
13	6.83	0.02	0.0221	0.0016	0.0136	0.0704	0.6136	-0.0214	0.0083	-0.0196	-0.3883	0.9154
14	7.85	0.02	0.0214	0.0019	0.0145	0.0874	0.6781	0.0415	0.0150	0.0092	0.3609	0.2225
15	8.75	0.02	0.0172	0.0017	0.0141	0.0970	0.8224	0.0961	0.0203	0.0323	0.2110	0.3358
16	9.75	0.01	0.0254	0.0014	0.0176	0.0533	0.6951	0.1742	0.0288	0.0665	0.1654	0.3818
17	10.75	0.01	0.0159	0.0014	0.0123	0.0850	0.7760	0.2533	0.0357	0.1012	0.1408	0.3997
18	11.79	0.02	0.0358	0.0021	0.0206	0.0581	0.5772	0.3163	0.0388	0.1307	0.1226	0.4133
19	12.82	0.04	0.0258	0.0008	0.0164	0.0323	0.6356	0.3956	0.0413	0.1709	0.1043	0.4319
20	13.81	0.02	0.0223	-0.0005	0.0140	-0.0234	0.6294	0.4769	0.0425	0.2127	0.0592	0.4459
21	14.84	0.02	0.0153	-0.0007	0.0124	-0.0476	0.8145	0.5499	0.0421	0.2468	0.0766	0.4524
22	15.95	0.01	0.0100	-0.0003	0.0093	-0.0313	0.9354	0.6316	0.0417	0.2878	0.0660	0.4556
23	17.00	0.01	0.0158	0.0005	0.0104	0.0329	0.6564	0.7019	0.0410	0.3216	0.0584	0.4581
24	18.06	0.02	0.0133	-0.0002	0.0086	-0.0156	0.6470	0.7734	0.0408	0.3552	0.0527	0.4593
25	18.42	0.02	0.0269	-0.0010	0.0174	-0.0386	0.6472	0.7600	0.0408	0.3475	0.0536	0.4572
26	17.74	0.02	0.0156	-0.0007	0.0100	-0.0467	0.6305	0.6967	0.0414	0.3150	0.0594	0.4522
27	16.55	0.02	0.0167	0.0003	0.0115	0.0186	0.6879	0.6091	0.0417	0.2715	0.0685	0.4457

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 1 OF 1

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6				PHI	CNF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 167 1.10 1.7				0.0	81W0F34	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CM3	CB3	XCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4
1	-1.00	0.00	0.0303	9.9999	0.0096	9.9999	0.3159	-0.6644	-0.0269	-0.3182	0.0409	0.4789
2	-1.00	0.02	0.0303	9.9999	0.0096	9.9999	0.3189	-0.6604	-0.0268	-0.3166	0.0406	0.4794
3	-1.00	0.00	0.0308	9.9999	0.0098	9.9999	0.3168	-0.6583	-0.0268	-0.3153	0.0408	0.4789
4	-1.02	0.01	0.0329	9.9999	0.0109	9.9999	0.3315	-0.6543	-0.0267	-0.3126	0.0408	0.4777
5	-0.66	0.01	0.0333	9.9999	0.0107	9.9999	0.3211	-0.5971	-0.0268	-0.2839	0.0449	0.4755
6	0.31	0.01	0.0350	9.9999	0.0112	9.9999	0.3197	-0.5376	-0.0257	-0.2537	0.0478	0.4719
7	1.75	0.01	0.0371	9.9999	0.0120	9.9999	0.3242	-0.4761	-0.0229	-0.2226	0.0480	0.4676
8	2.10	0.01	0.0355	9.9999	0.0113	9.9999	0.3189	-0.4029	-0.0195	-0.1865	0.0485	0.4629
9	3.04	0.03	0.0355	9.9999	0.0109	9.9999	0.3072	-0.3325	-0.0149	-0.1532	0.0447	0.4608
10	3.97	0.02	0.0346	9.9999	0.0104	9.9999	0.2996	-0.2651	-0.0098	-0.1216	0.0369	0.4586
11	4.93	0.01	0.0279	9.9999	0.0078	9.9999	0.2792	-0.1926	-0.0041	-0.0903	0.0211	0.4687
12	5.86	0.01	0.0266	9.9999	0.0068	9.9999	0.2572	-0.1246	0.0009	-0.0604	-0.0075	0.4847
13	6.83	0.02	0.0350	9.9999	0.0104	9.9999	0.2961	-0.0697	0.0055	-0.0337	-0.0791	0.4840
14	7.85	0.02	0.0321	9.9999	0.0091	9.9999	0.2841	-0.0019	0.0127	-0.0025	-0.7778	1.3303
15	8.75	0.02	0.0356	9.9999	0.0105	9.9999	0.2944	0.0590	0.0191	0.0255	0.3245	0.4329
16	9.75	0.01	0.0296	9.9999	0.0079	9.9999	0.2661	0.1281	0.0283	0.0546	0.2208	0.4260
17	10.75	0.01	0.0280	9.9999	0.0068	9.9999	0.2448	0.2060	0.0364	0.0927	0.1767	0.4503
18	11.79	0.02	0.0351	9.9999	0.0102	9.9999	0.2893	0.2661	0.0407	0.1213	0.1528	0.4558
19	12.82	0.04	0.0321	9.9999	0.0092	9.9999	0.2874	0.3461	0.0434	0.1619	0.1253	0.4678
20	13.81	0.02	0.0321	9.9999	0.0088	9.9999	0.2745	0.4311	0.0438	0.2052	0.1015	0.4760
21	14.84	0.02	0.0279	9.9999	0.0076	9.9999	0.2719	0.5021	0.0430	0.2421	0.0857	0.4822
22	15.95	0.01	0.0271	9.9999	0.0060	9.9999	0.2217	0.5771	0.0433	0.2801	0.0750	0.4854
23	17.00	0.01	0.0276	9.9999	0.0065	9.9999	0.2372	0.6488	0.0436	0.3170	0.0671	0.4886
24	19.06	0.02	0.0300	9.9999	0.0079	9.9999	0.2624	0.7154	0.0428	0.3513	0.0599	0.4910
25	18.42	0.02	0.0326	9.9999	0.0083	9.9999	0.2542	0.7120	0.0426	0.3490	0.0599	0.4901
26	17.74	0.02	0.0331	9.9999	0.0089	9.9999	0.2698	0.6369	0.0431	0.3094	0.0677	0.4858
27	16.55	0.02	0.0331	9.9999	0.0092	9.9999	0.2792	0.5545	0.0435	0.2672	0.0784	0.4819

PAGE 1 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6											
7 168 0.80 1.7 0.0 B1W0F13 0.0 0 -10 3 -10 UNKNOWN											
POINT	ALPHA	BETA	CN	CLN	CV	CLN	CLL	CA	CAB	CAF	XCP
1	-5.70	0.04	-1.5236	5.3524	0.1465	-0.3093	-0.0062	0.4451	0.1547	0.2905	-3.5130
2	-5.70	0.02	-1.5096	5.3242	0.0736	-0.2535	-0.0063	0.4453	0.1556	0.2898	-3.5269
3	-5.71	0.03	-1.4772	5.2911	0.1311	-0.3071	-0.0061	0.4446	0.1562	0.2885	-3.5819
4	-5.71	0.02	-1.5066	5.3137	0.1166	-0.2937	0.0009	0.4446	0.1562	0.2885	-3.5270
5	-5.83	0.01	-1.4769	5.2908	0.0303	-0.2127	0.0009	0.4484	0.1530	0.2955	-3.5824
6	-5.64	0.02	-1.4210	5.1772	0.0007	-0.1975	0.0007	0.4482	0.1456	0.3027	-3.6433
7	-3.97	0.01	-1.2232	4.7939	0.0190	-0.1525	0.0085	0.4190	0.1294	0.2897	-3.9191
8	-2.24	0.01	-0.9962	4.2225	0.0204	-0.1290	0.0017	0.3866	0.1153	0.2713	-4.2385
9	-0.46	0.02	-0.7611	3.7189	0.0507	-0.1323	-0.0049	0.3550	0.1058	0.2492	-4.8863
10	1.31	0.01	-0.4573	2.8905	0.0321	-0.1780	-0.0045	0.3206	0.1002	0.2204	-6.3204
11	3.16	0.01	-0.1580	2.0318	0.0310	-0.1901	-0.0041	0.2907	0.1002	0.1905	-12.8610
12	4.87	0.02	0.1167	1.2971	0.1058	-0.2108	0.0036	0.2708	0.1039	0.1670	11.1189
13	6.68	0.02	0.3685	0.7190	0.0608	-0.1936	-0.0031	0.2480	0.1102	0.1379	1.9511
14	8.45	0.02	0.6858	0.0209	0.0748	-0.2071	-0.0024	0.2287	0.1176	0.1112	0.0303
15	10.21	0.02	0.9892	-0.7128	0.0747	-0.2075	-0.0019	0.1952	0.1231	0.0721	-0.7206
16	12.01	0.02	1.3201	-1.4994	0.1175	-0.2615	0.0059	0.1613	0.1280	0.0333	-1.1359
17	13.81	0.02	1.7355	-2.4228	0.0894	-0.2362	-0.0007	0.1253	0.1344	-0.0091	-1.3960
18	15.63	0.02	2.1040	-3.3452	0.1068	-0.2165	0.0141	0.0927	0.1418	-0.0490	-1.5899
19	17.51	0.01	2.4761	-4.0909	0.0233	-0.1018	0.0218	0.0685	0.1516	-0.0830	-1.6522
20	19.31	0.01	2.7658	-4.5049	-0.0031	-0.0398	0.0227	0.0674	0.1636	-0.0961	-1.6288
21	21.15	0.01	3.0045	-4.9573	-0.0659	-0.0551	0.0095	0.0810	0.1915	-0.1105	-1.5169
22	22.98	0.00	3.2494	-4.6014	-0.1194	0.0700	0.0249	0.0901	0.2262	-0.1361	-1.4161
23	24.77	0.01	3.5128	-4.7617	-0.1268	0.2431	0.0256	0.1081	0.2680	-0.1650	-1.3555
24	26.61	0.03	3.9854	-4.9384	0.2128	-0.4443	0.0860	0.0951	0.2880	-0.1929	-1.2710
25	27.89	0.06	4.1004	-5.0877	0.6905	-1.3104	0.1888	0.0767	0.3067	-0.2299	-1.2408
26	27.97	0.05	4.1232	-5.0540	0.5683	-1.0939	0.1746	0.0846	0.3046	-0.2199	-1.2257
27	28.35	0.05	4.1966	-5.0020	0.5853	-1.0741	0.1822	0.0674	0.3092	-0.2417	-1.1919
28	28.66	0.05	4.2384	-5.0336	0.5417	-1.0339	0.2039	0.0741	0.3181	-0.2439	-1.1876
29	28.92	0.05	4.3085	-5.0858	0.5567	-1.0219	0.1898	0.0784	0.3241	-0.2456	-1.1804
30	29.25	0.04	4.3735	-5.0831	0.5462	-0.9876	0.1760	0.0704	0.3238	-0.2533	-1.1623
31	29.53	0.05	4.3962	-5.0956	0.4652	-0.6072	0.1322	0.0598	0.3295	-0.2696	-1.1591
32	29.81	0.04	4.4839	-5.1270	0.4809	-0.6224	0.1398	0.0676	0.3360	-0.2683	-1.1434
33	30.07	0.04	4.5123	-5.0942	0.5007	-0.7672	0.1475	0.0683	0.3402	-0.2718	-1.1290
34	30.33	0.05	4.6024	-5.0741	0.5506	-0.7131	0.1622	0.0579	0.3415	-0.2835	-1.1025
35	30.62	0.05	4.6694	-5.0739	0.6008	-0.8869	0.1631	0.0617	0.3502	-0.2885	-1.0866
36	30.87	0.06	4.7296	-5.0302	0.6285	-0.7495	0.1776	0.0664	0.3544	-0.2879	-1.0636
37	31.15	0.05	4.7533	-4.9891	0.4520	-0.3520	0.1193	0.0637	0.3586	-0.2949	-1.0496
38	31.43	0.05	4.8132	-4.9453	0.5012	-0.3520	0.1418	0.0605	0.3647	-0.3042	-1.0274
39	31.67	0.03	4.8613	-5.0360	0.3760	-0.3584	0.1274	0.0620	0.3659	-0.3039	-1.0359
40	31.96	0.04	4.9235	-4.9404	0.4624	-0.6551	0.1500	0.0641	0.3758	-0.3117	-1.0034
41	32.21	0.04	5.0389	-4.9909	0.4614	-0.8508	0.1146	0.0524	0.3682	-0.3158	-0.9905
42	32.48	0.02	5.1596	-4.8644	0.3102	-0.8249	0.0570	0.0505	0.3734	-0.3229	-0.9428
43	32.73	0.04	5.2326	-4.8662	0.3747	-0.7846	0.0719	0.0479	0.3730	-0.3251	-0.9300
44	32.98	0.03	5.2348	-4.6865	0.3567	-0.8179	0.0722	0.0530	0.3785	-0.3255	-0.8952
45	33.22	0.02	5.3444	-4.6659	0.3529	-1.0811	0.1165	0.0618	0.3903	-0.3285	-0.8730
46	33.47	0.03	5.4720	-4.7276	0.4217	-1.2355	0.0955	0.0484	0.3953	-0.3469	-0.8640

PAGE 1 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 168 0.80 1.7			0.0	81WOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CM	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	33.73	0.03	5.5347	-4.5948	0.3875	-1.2791	0.0960	0.0554	0.3981	-0.3427	-0.8302
48	33.96	0.02	5.5624	-4.5972	0.3601	-1.2285	0.1107	0.0442	0.3962	-0.3520	-0.8265
49	34.21	0.03	5.6194	-4.6037	0.4179	-1.2696	0.1110	0.0454	0.3972	-0.3518	-0.8192
50	34.46	0.04	5.7701	-4.4849	0.4419	-1.3818	0.0976	0.0325	0.3999	-0.3674	-0.7773
51	34.71	0.03	5.8551	-4.6036	0.5108	-1.5101	0.0981	0.0319	0.4059	-0.3740	-0.7863
52	34.94	0.04	5.9168	-4.5245	0.4572	-1.3841	0.1201	0.0284	0.4073	-0.3789	-0.7647
53	35.17	0.04	5.9369	-4.4160	0.5789	-1.6645	0.1425	0.0373	0.4120	-0.3747	-0.7438
54	35.42	0.05	6.0387	-4.4399	0.6427	-1.6630	0.1432	0.0223	0.4139	-0.3916	-0.7352
55	35.65	0.04	6.0818	-4.4725	0.6027	-1.7912	0.1508	0.0352	0.4309	-0.3957	-0.7354
56	35.87	0.02	6.1671	-4.4350	0.5259	-2.4583	0.1737	0.0873	0.4727	-0.3854	-0.7191
57	36.12	0.01	6.2600	-4.3818	0.3494	-2.5696	0.1966	0.0971	0.4917	-0.3948	-0.7000
58	36.34	0.02	6.3032	-4.3591	0.4545	-2.6271	0.1751	0.0916	0.4912	-0.3995	-0.6916
59	36.57	-0.01	6.3730	-4.4662	0.5548	-2.7623	0.1974	0.0747	0.4813	-0.4065	-0.7008
60	36.82	0.03	6.4100	-4.3340	0.5963	-2.8398	0.2052	0.0763	0.4818	-0.4054	-0.6761
61	37.04	0.02	6.4857	-4.3191	0.4831	-2.6699	0.1906	0.0733	0.4809	-0.4075	-0.6659
62	37.27	0.01	6.5949	-4.4707	0.4366	-2.6985	0.1916	0.0775	0.4885	-0.4109	-0.6779
63	37.50	0.02	6.6578	-4.4108	0.5750	-2.7333	0.1921	0.0682	0.4828	-0.4145	-0.6623
64	37.72	0.04	6.6832	-4.3909	0.5720	-2.3242	0.1771	0.0334	0.4684	-0.4350	-0.6570
65	37.97	0.04	6.7898	-4.3625	0.6561	-2.2650	0.1705	0.0167	0.4704	-0.4537	-0.6425
66	38.20	0.04	6.9090	-4.4541	0.7025	-2.5319	0.2010	0.0259	0.4712	-0.4453	-0.6447
67	38.41	0.05	6.8917	-4.3280	0.7559	-2.1935	0.1639	0.0024	0.4526	-0.4502	-0.6280
68	38.62	0.05	6.9919	-4.2264	0.7820	-2.1226	0.1792	0.0016	0.4527	-0.4511	-0.6045
69	38.86	0.06	7.0878	-4.3502	0.7094	-1.7241	0.1568	-0.0223	0.4474	-0.4697	-0.6138
70	39.07	0.07	7.1151	-4.2957	0.8609	-1.5349	0.1276	-0.0253	0.4450	-0.4703	-0.6037
71	39.26	0.07	7.1651	-4.2651	0.7951	-1.6092	0.1423	-0.0202	0.4484	-0.4686	-0.5953
72	39.48	0.07	7.2115	-4.1903	0.7684	-1.3261	0.1202	-0.0287	0.4545	-0.4833	-0.5811
73	39.69	0.07	7.2979	-4.2734	0.8206	-1.2719	0.1130	-0.0352	0.4612	-0.4965	-0.5858
74	39.89	0.07	7.3677	-4.3233	0.8657	-0.9010	0.0586	-0.0002	0.4669	-0.4671	-0.5868
75	40.09	0.07	7.5041	-4.4116	0.7072	-1.0745	0.0987	-0.0346	0.4706	-0.5053	-0.5879
76	40.29	0.06	7.5631	-4.4219	0.7642	-0.4526	0.0532	0.0021	0.4988	-0.4967	-0.5847
77	40.52	0.07	7.6213	-4.4470	0.5347	-0.2810	0.0379	0.0115	0.5206	-0.5091	-0.5936
78	40.71	0.07	7.8114	-4.6855	0.7831	0.2666	0.0145	0.0480	0.5429	-0.4949	-0.5998
79	40.92	0.09	7.9291	-4.7943	0.8821	0.3573	0.0069	0.0505	0.5515	-0.5010	-0.6048
80	41.13	0.09	7.9554	-4.5814	0.9339	0.1509	0.0226	0.0369	0.5515	-0.5146	-0.5759
81	41.32	0.09	8.1320	-4.7753	0.9188	0.5042	0.0072	0.0528	0.5608	-0.5080	-0.5872
82	41.52	0.09	8.1775	-4.7364	0.9090	0.3039	0.0082	0.0245	0.5537	-0.5292	-0.5792
83	41.73	0.12	8.4260	-5.0592	1.1806	0.5046	0.0003	0.0412	0.5697	-0.5285	-0.6006
84	41.91	0.08	8.3062	-4.6061	0.8854	0.4815	-0.0064	0.0255	0.5659	-0.5404	-0.5545
85	42.11	0.10	8.4924	-4.9790	1.0135	0.6766	-0.0066	0.0392	0.5695	-0.5303	-0.5745
86	42.29	0.08	8.4973	-4.7004	0.8302	0.3353	-0.0123	0.0028	0.5695	-0.5667	-0.5532
87	42.46	0.09	8.5708	-4.7622	0.9594	0.4853	-0.0055	0.0320	0.5807	-0.5487	-0.5556
88	42.64	0.09	8.7774	-4.9768	0.9711	0.7215	0.0015	0.0262	0.5826	-0.5564	-0.5670
89	42.84	0.10	8.9251	-5.0470	1.0792	0.8083	0.0088	0.0348	0.5940	-0.5592	-0.5655
90	43.03	0.10	9.0764	-5.3079	1.0848	0.9550	0.0013	0.0211	0.5929	-0.5718	-0.5848
91	43.21	0.10	9.1780	-5.2654	1.0787	0.8316	-0.0051	0.0250	0.6017	-0.5767	-0.5782
92	43.38	0.09	9.1095	-5.0917	1.0145	0.8585	0.0095	0.0272	0.6012	-0.5740	-0.5589

PAGE 1 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6											
7 168 0.80 1.7 0.0 81W0F13 0.0 0 -10 0 -10 UNKNOWN											
POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	XCP
93	43.56	0.10	9.2225	-5.2309	1.1290	0.9970	-0.0198	0.0318	0.6031	-0.5713	-0.5672
94	43.73	0.10	9.2806	-5.2574	1.0685	1.0148	-0.0051	0.0268	0.6087	-0.5819	-0.5665
95	43.94	0.09	9.3323	-5.0893	0.9595	1.0103	0.0028	0.0139	0.6168	-0.6029	-0.5453
96	44.12	0.10	9.4369	-5.2659	1.0680	1.1193	-0.0047	0.0114	0.6135	-0.6021	-0.5580
97	44.28	0.09	9.4109	-5.1212	1.0037	1.0515	-0.0042	0.0102	0.6196	-0.6094	-0.5442
98	44.49	0.09	9.5858	-5.2560	1.0391	1.1476	-0.0154	0.0169	0.6192	-0.6023	-0.5403
99	44.67	0.10	9.7822	-5.5361	1.1439	1.4542	-0.0193	-0.0056	0.6254	-0.6310	-0.5659
100	44.85	0.08	9.7904	-5.5075	0.8893	1.5486	-0.0333	0.0041	0.6298	-0.6257	-0.5625
101	45.01	0.07	9.7489	-5.3044	0.9076	1.3479	-0.0181	0.0083	0.6285	-0.6202	-0.5441
102	45.20	0.07	9.8694	-5.5536	0.8817	1.7295	-0.0336	-0.0068	0.6267	-0.6335	-0.5627
103	45.37	0.07	9.8974	-5.2953	0.9254	1.3955	-0.0320	-0.0025	0.6341	-0.6366	-0.5350
104	45.54	0.05	9.9469	-5.3706	0.6777	1.8920	-0.0517	-0.0148	0.6347	-0.6495	-0.5399
105	45.72	0.05	10.0520	-5.3641	0.6326	1.8962	-0.0612	-0.0235	0.6352	-0.6587	-0.5336
106	45.89	0.05	10.0224	-5.4011	0.6931	1.9440	-0.0613	-0.0127	0.6315	-0.6442	-0.5389
107	46.06	0.04	10.1569	-5.4182	0.5060	2.3997	-0.0906	-0.0230	0.6374	-0.6604	-0.5336
108	46.24	0.04	10.1877	-5.3538	0.4611	2.4038	-0.0903	-0.0264	0.6370	-0.6634	-0.5258
109	46.40	0.03	10.1586	-5.1947	0.4558	2.0111	-0.0814	-0.0435	0.6344	-0.6780	-0.5114
110	46.58	0.03	10.1991	-5.1601	0.3322	2.2373	-0.1030	-0.0520	0.6259	-0.6780	-0.5059
111	46.75	0.01	10.1673	-4.8570	0.1896	2.0838	-0.1019	-0.0636	0.6058	-0.6694	-0.4777
112	46.92	-0.01	10.0876	-4.6642	-0.0552	1.9502	-0.1148	-0.1447	0.5593	-0.7040	-0.4626
113	47.08	-0.03	10.0980	-4.4285	-0.0195	0.3015	0.0186	-0.2242	0.4582	-0.6825	-0.4366
114	47.26	-0.01	10.2126	-4.5181	0.0598	0.9842	-0.0402	-0.2000	0.4691	-0.6691	-0.4420
115	47.42	-0.02	10.1795	-4.4451	0.0599	0.6924	-0.0109	-0.2239	0.4610	-0.6850	-0.4367
116	47.60	-0.02	10.3213	-4.5534	0.0335	0.7553	-0.0247	-0.2272	0.4646	-0.6919	-0.4412
117	47.77	-0.02	10.3610	-4.5562	0.0787	0.7738	-0.0105	-0.2175	0.4747	-0.6923	-0.4397
118	47.96	-0.03	10.3083	-4.5841	-0.0830	1.1019	-0.0250	-0.2242	0.4894	-0.7136	-0.4362
119	48.10	-0.02	10.5176	-4.6241	-0.1041	1.5619	-0.0688	-0.2170	0.4903	-0.7073	-0.4397
120	48.29	-0.02	10.5465	-4.6754	-0.1002	1.6279	-0.0687	-0.2108	0.5247	-0.7355	-0.4433
121	48.46	-0.02	10.6218	-4.6303	-0.0186	1.1893	-0.0398	-0.2207	0.4893	-0.7100	-0.4359
122	48.62	-0.02	10.6861	-4.7930	-0.0440	1.8479	-0.0969	-0.2063	0.5003	-0.7066	-0.4401
123	48.80	-0.01	10.8063	-4.6770	-0.1026	1.8651	-0.0823	-0.2019	0.4999	-0.7018	-0.4328
124	48.98	-0.01	10.9644	-4.8109	0.0205	1.6595	-0.0884	-0.2177	0.5071	-0.7248	-0.4428
125	49.16	-0.01	10.8667	-4.7031	-0.1181	2.1269	-0.1247	-0.1945	0.5316	-0.7261	-0.4334
126	49.33	-0.01	10.9263	-4.6878	-0.0731	2.0341	-0.1465	-0.1393	0.5630	-0.7023	-0.4290
127	49.50	-0.01	11.0448	-4.6771	-0.1325	2.4274	-0.1389	-0.1473	0.5739	-0.7212	-0.4235
128	49.68	-0.01	11.0900	-4.7701	-0.0852	2.4831	-0.1531	-0.1439	0.5857	-0.7295	-0.4305
129	49.85	-0.01	11.1261	-4.7026	-0.0079	2.7609	-0.1452	-0.1574	0.5740	-0.7314	-0.4227
130	50.02	0.00	11.2423	-4.7599	0.1081	2.5135	-0.1529	-0.1325	0.5975	-0.7300	-0.4234
131	50.19	0.00	11.3080	-4.8605	0.0090	2.6138	-0.1391	-0.1460	0.5975	-0.7435	-0.4298
132	50.37	0.02	11.3801	-4.9755	0.1547	2.5618	-0.1462	-0.1339	0.6091	-0.7430	-0.4372
133	50.54	0.02	11.4938	-5.3021	0.1761	2.9906	-0.1478	-0.1252	0.6159	-0.7411	-0.4613
134	50.69	0.03	11.5988	-5.3587	0.3070	2.6480	-0.1327	-0.1308	0.6146	-0.7533	-0.4620
135	50.86	0.03	11.7288	-5.4254	0.2342	2.9665	-0.1404	-0.1488	0.6129	-0.7617	-0.4628
136	51.04	0.04	11.8021	-5.7810	0.3685	2.9336	-0.1270	-0.1388	0.6150	-0.7539	-0.4690
137	51.23	0.05	12.3067	-6.8990	0.4038	3.3883	-0.1348	-0.1573	0.5980	-0.7553	-0.5599
138	51.38	0.04	12.2405	-6.7606	0.3320	3.1362	-0.1271	-0.1707	0.5962	-0.7659	-0.5523

PAGE 1 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 168 0.80 1.7			0.0	BIVOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
139	51.59	0.07	12.7569	-7.3040	0.4846	4.0845	-0.1507	-0.1858	0.5992	-0.7850	-0.5726
140	51.75	0.04	12.7034	-7.2348	0.3374	3.8172	-0.1569	-0.1742	0.5963	-0.7705	-0.5698
141	51.94	0.06	12.9111	-7.5515	0.4421	4.1205	-0.1507	-0.1869	0.6018	-0.7887	-0.5849
142	52.09	0.06	12.8962	-7.2654	0.4238	4.3396	-0.1724	-0.1983	0.6000	-0.7983	-0.5634
143	52.26	0.07	13.1083	-7.5928	0.4784	4.8103	-0.1746	-0.1990	0.6082	-0.8072	-0.5792
144	52.44	0.09	13.1074	-7.5384	0.6896	4.2585	-0.1516	-0.1948	0.6155	-0.8123	-0.5751
145	52.60	0.09	13.2272	-7.4729	0.7766	4.2105	-0.1232	-0.1996	0.6166	-0.8162	-0.5650
146	52.75	0.08	13.1424	-7.4495	0.7512	4.2571	-0.1451	-0.2030	0.6086	-0.8116	-0.5668
147	52.93	0.09	13.4021	-7.7994	1.0222	3.3635	-0.0992	-0.2045	0.6171	-0.8216	-0.5828
148	53.09	0.09	13.2399	-7.4144	1.0238	3.6919	-0.1008	-0.2037	0.6116	-0.8153	-0.5609
149	53.24	0.09	13.3266	-7.5380	1.0488	3.2393	-0.0565	-0.2266	0.6167	-0.8433	-0.5656
150	53.40	0.11	13.3605	-7.5741	1.2249	3.0950	-0.0777	-0.2067	0.6160	-0.8227	-0.5669
151	53.56	0.10	13.5232	-7.7584	1.2207	2.6524	-0.0115	-0.2095	0.6142	-0.8237	-0.5737
152	53.72	0.11	13.5796	-7.7266	1.2218	2.9282	-0.0268	-0.2237	0.6168	-0.8405	-0.5690
153	53.88	0.10	13.7316	-7.8306	1.2096	2.6077	-0.0180	-0.2233	0.6257	-0.8490	-0.5703
154	54.03	0.11	13.6723	-7.7307	1.2271	2.6646	-0.0112	-0.2351	0.6220	-0.8571	-0.5654
155	54.20	0.10	13.8454	-7.8985	1.1320	2.5898	0.0042	-0.2245	0.6219	-0.8464	-0.5705
156	54.35	0.10	13.8229	-7.9741	1.0165	2.9893	-0.0116	-0.2277	0.6320	-0.8597	-0.5696
157	54.52	0.11	14.0508	-8.0970	1.2506	2.7498	-0.0021	-0.2277	0.6310	-0.8557	-0.5763
158	54.67	0.10	13.9718	-7.9565	1.1625	2.8015	-0.0097	-0.2546	0.6289	-0.8834	-0.5695
159	54.81	0.11	14.1202	-8.0723	1.1137	3.0411	-0.0027	-0.2309	0.6346	-0.8656	-0.5717
160	54.97	0.11	14.1425	-8.0815	1.1154	3.0345	-0.0100	-0.2508	0.6311	-0.8820	-0.5714
161	55.11	0.12	14.2288	-8.1842	1.3587	2.9746	-0.0100	-0.2575	0.6402	-0.8978	-0.5752
162	55.30	0.11	14.4059	-8.3021	1.1490	3.0936	-0.0022	-0.2414	0.6472	-0.8887	-0.5763
163	55.45	0.12	14.3422	-8.2316	1.3731	2.6497	-0.0083	-0.2628	0.6373	-0.9002	-0.5739
164	55.63	0.11	14.1701	-7.8590	1.2305	2.8309	-0.0092	-0.2586	0.6340	-0.8927	-0.5546
165	55.79	0.10	14.1376	-7.9661	1.1815	2.7408	-0.0017	-0.2656	0.6413	-0.9070	-0.5635
166	55.98	0.11	14.5588	-8.5434	1.4185	2.8438	-0.0015	-0.2618	0.6451	-0.9070	-0.5868
167	56.13	0.11	14.5556	-8.2909	1.3256	2.8398	0.0062	-0.2712	0.6437	-0.9150	-0.5696
168	56.28	0.09	14.4861	-8.4966	1.1476	2.6815	-0.0078	-0.2662	0.6499	-0.9162	-0.5865
169	56.45	0.11	14.7414	-8.4852	1.3398	2.9134	0.0068	-0.2894	0.6513	-0.9407	-0.5756
170	56.61	0.11	14.5962	-8.4213	1.3335	2.6893	-0.0004	-0.2886	0.6465	-0.9351	-0.5770
171	56.78	0.09	14.7009	-8.4473	1.1795	2.7033	0.0076	-0.2608	0.6471	-0.9080	-0.5746
172	56.92	0.09	14.6828	-8.4128	1.0874	2.7117	0.0076	-0.2908	0.6566	-0.9474	-0.5738
173	57.08	0.08	14.8580	-8.6014	0.9964	2.7441	0.0300	-0.2987	0.6566	-0.9553	-0.5789
174	57.23	0.08	14.9078	-8.4957	1.0645	2.5636	0.0164	-0.2858	0.6614	-0.9473	-0.5699
175	57.36	0.07	14.7483	-8.1912	0.9223	2.5016	0.0238	-0.2856	0.6524	-0.9381	-0.5554
176	57.50	0.03	14.7826	-8.4946	0.5045	2.4901	0.0100	-0.2890	0.6625	-0.9515	-0.5748
177	57.67	0.07	14.9300	-8.4537	0.9132	2.6273	0.0239	-0.2889	0.6681	-0.9570	-0.5662
178	57.81	0.06	14.7810	-8.4209	0.8112	2.1365	0.0254	-0.3057	0.6615	-0.9672	-0.5698
179	57.96	0.07	15.0094	-8.5454	0.9911	2.3331	0.0105	-0.3082	0.6625	-0.9707	-0.5693
180	57.98	0.05	14.9986	-8.6379	0.7688	2.2159	0.0112	-0.3062	0.6695	-0.9757	-0.5772
181	57.98	0.07	14.9733	-8.6056	0.8860	2.3920	0.0248	-0.3085	0.6654	-0.9739	-0.5747
182	57.97	0.04	14.7571	-8.2024	0.7153	2.0709	0.0114	-0.3132	0.6549	-0.9681	-0.5558
183	58.00	0.07	15.0588	-8.7428	0.9634	2.3981	0.0103	-0.3108	0.6668	-0.9776	-0.5806
184	58.00	0.06	14.9028	-8.4617	0.9713	2.2469	0.0251	-0.2978	0.6634	-0.9612	-0.5678

PAGE 1 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 168 0.80 1.7 0.0 B1W0F13 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CN	CLN	CV	CLN	CLL	CA	CAB	CAF	KCP
165	57.99	0.05	14.9988	-0.6584	0.7656	2.1664	0.0260	-0.2953	0.6763	-0.9715	-0.5773

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSROC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

 PAGE 2 OF 3
 SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 168 0.80 1.7			0.0	81WDF13	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CHI	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.70	0.04	0.0416	0.0079	0.0240	0.1900	0.5764	-9.7014	-0.0454	-0.2938	0.0647	0.4189
2	-5.70	0.02	0.0342	0.0059	0.0203	0.1726	0.5925	-0.7015	-0.0450	-0.2937	0.0641	0.4187
3	-5.71	0.03	0.0364	0.0067	0.0224	0.1862	0.6146	-0.7003	-0.0445	-0.2924	0.0635	0.4175
4	-5.71	0.02	0.0453	0.0084	0.0251	0.1855	0.5536	-0.7001	-0.0455	-0.2932	0.0649	0.4188
5	-5.83	0.01	0.0378	0.0067	0.0221	0.1773	0.5839	-0.7000	-0.0466	-0.2940	0.0665	0.4200
6	-5.64	0.02	0.0366	0.0063	0.0212	0.1722	0.5783	-0.6790	-0.0489	-0.2879	0.0720	0.4238
7	-3.97	0.01	0.0275	0.0067	0.0191	0.2438	0.6931	-0.6248	-0.0575	-0.2735	0.0920	0.4378
8	-2.24	0.01	0.0264	0.0062	0.0178	0.2350	0.6726	-0.5274	-0.0560	-0.2377	0.1061	0.4507
9	-0.46	0.02	0.0304	0.0073	0.0178	0.2403	0.5841	-0.4508	-0.0572	-0.2141	0.1268	0.4749
10	1.31	0.01	0.0303	0.0070	0.0181	0.2311	0.5960	-0.3345	-0.0474	-0.1623	0.1416	0.4851
11	3.16	0.01	0.0279	0.0060	0.0168	0.2152	0.6005	-0.1939	-0.0313	-0.1036	0.1617	0.5189
12	4.87	0.02	0.0269	0.0042	0.0134	0.1562	0.5706	-0.0859	-0.0143	-0.0487	0.1668	0.5671
13	6.68	0.02	0.0294	0.0049	0.0164	0.1668	0.5562	0.0060	0.0049	-0.0078	0.8171	-1.3042
14	8.45	0.02	0.0371	0.0056	0.0185	0.1510	0.4975	0.0992	0.0255	0.0315	0.2575	0.3179
15	10.21	0.02	0.0332	0.0047	0.0178	0.1416	0.5348	0.2027	0.0447	0.0764	0.2204	0.3770
16	12.01	0.02	0.0416	0.0048	0.0246	0.1154	0.5908	0.3100	0.0621	0.1226	0.2003	0.3955
17	13.81	0.02	0.0364	0.0039	0.0234	0.1072	0.6422	0.4292	0.0708	0.1776	0.1650	0.4139
18	15.63	0.02	0.0464	0.0056	0.0277	0.1208	0.5967	0.5291	0.0704	0.2196	0.1331	0.4151
19	17.51	0.01	0.0564	0.0060	0.0334	0.1366	0.5934	0.6048	0.0637	0.2501	0.1053	0.4136
20	19.31	0.01	0.0793	0.0046	0.0505	0.0581	0.6371	0.6559	0.0527	0.2637	0.0303	0.4112
21	21.15	0.01	0.1185	0.0053	0.0823	0.0448	0.6948	0.6758	0.0464	0.2757	0.0686	0.4080
22	22.98	0.00	0.1060	0.0020	0.0783	0.0189	0.7389	0.6636	0.0383	0.2654	0.0576	0.3999
23	24.77	0.01	0.0814	0.0029	0.0654	0.0357	0.8033	0.6609	0.0357	0.2637	0.0539	0.3990
24	26.61	0.03	0.2261	0.0299	0.0995	0.1324	0.4401	0.6804	0.0332	0.2698	0.0489	0.3965
25	27.59	0.06	0.3092	0.0429	0.1424	0.1386	0.4605	0.6821	0.0325	0.2691	0.0477	0.3945
26	27.97	0.05	0.3193	0.0448	0.1501	0.1402	0.4702	0.6819	0.0328	0.2695	0.0482	0.3952
27	28.35	0.05	0.3092	0.0407	0.1545	0.1315	0.4998	0.6952	0.0320	0.2754	0.0461	0.3962
28	28.66	0.05	0.3111	0.0416	0.1532	0.1380	0.5089	0.6893	0.0323	0.2735	0.0469	0.3968
29	28.92	0.05	0.3264	0.0451	0.1679	0.1372	0.5112	0.6864	0.0326	0.2702	0.0476	0.3936
30	29.25	0.04	0.3057	0.0426	0.1614	0.1392	0.5279	0.7040	0.0322	0.2791	0.0458	0.3985
31	29.53	0.05	0.2343	0.0310	0.1353	0.1325	0.5772	0.7293	0.0315	0.2897	0.0433	0.3972
32	29.81	0.04	0.2477	0.0325	0.1441	0.1314	0.5817	0.7307	0.0316	0.2914	0.0433	0.3988
33	30.07	0.04	0.2646	0.0353	0.1482	0.1332	0.5800	0.7278	0.0317	0.2885	0.0436	0.3984
34	30.33	0.05	0.2872	0.0376	0.1593	0.1308	0.5546	0.7234	0.0316	0.2866	0.0437	0.3962
35	30.62	0.05	0.2926	0.0365	0.1638	0.1246	0.5598	0.7293	0.0314	0.2891	0.0431	0.3964
36	30.87	0.06	0.2699	0.0357	0.1527	0.1321	0.5658	0.7338	0.0316	0.2897	0.0431	0.3948
37	31.15	0.05	0.2162	0.0295	0.1291	0.1354	0.5918	0.7307	0.0319	0.2903	0.0437	0.3973
38	31.43	0.05	0.2273	0.0303	0.1318	0.1335	0.5800	0.7367	0.0317	0.2915	0.0431	0.3957
39	31.67	0.03	0.2140	0.0283	0.1247	0.1324	0.5828	0.7517	0.0313	0.2964	0.0417	0.3943
40	31.96	0.04	0.2398	0.0305	0.1337	0.1274	0.5577	0.7443	0.0314	0.2932	0.0422	0.3939
41	32.21	0.04	0.1957	0.0243	0.1055	0.1244	0.5393	0.7742	0.0303	0.3036	0.0392	0.3922
42	32.48	0.02	0.1336	0.0164	0.0705	0.1229	0.5275	0.7950	0.0299	0.3120	0.0377	0.3924
43	32.73	0.04	0.1475	0.0194	0.0767	0.1317	0.5200	0.7922	0.0299	0.3086	0.0378	0.3895
44	32.98	0.03	0.1530	0.0194	0.0767	0.1269	0.5013	0.7922	0.0297	0.3090	0.0375	0.3900
45	33.22	0.02	0.2060	0.0257	0.1016	0.1249	0.4933	0.7952	0.0297	0.3096	0.0374	0.3893
46	33.47	0.03	0.1834	0.0225	0.0850	0.1229	0.4638	0.8088	0.0292	0.3141	0.0362	0.3883

PAGE 2 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		168	0.80	1.7	0.0	81WOF13	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
67	33.73	0.03	0.1896	0.0237	0.0888	0.1252	0.4682	0.9089	0.0290	0.3129	0.0359	0.3868
68	33.96	0.02	0.2322	0.0302	0.1103	0.1302	0.4748	0.8149	0.0283	0.3152	0.0348	0.3868
69	34.21	0.03	0.2177	0.0302	0.1064	0.1389	0.4889	0.8090	0.0286	0.3117	0.0354	0.3852
50	34.46	0.04	0.2301	0.0307	0.1095	0.1336	0.4761	0.8272	0.0283	0.3198	0.0343	0.3854
51	34.71	0.03	0.2375	0.0327	0.1058	0.1379	0.4456	0.8363	0.0279	0.3213	0.0333	0.3842
52	34.94	0.04	0.2296	0.0344	0.1110	0.1500	0.4832	0.8227	0.0284	0.3169	0.0346	0.3852
53	35.17	0.04	0.2729	0.0384	0.1271	0.1410	0.4673	0.8167	0.0284	0.3142	0.0348	0.3847
54	35.42	0.05	0.2775	0.0408	0.1303	0.1469	0.4698	0.8306	0.0274	0.3195	0.0330	0.3847
55	35.65	0.04	0.2856	0.0424	0.1313	0.1483	0.4599	0.8126	0.0282	0.3105	0.0348	0.3821
56	35.87	0.02	0.3112	0.0486	0.1328	0.1561	0.4269	0.8036	0.0288	0.3068	0.0359	0.3817
57	36.12	0.01	0.3151	0.0511	0.1333	0.1621	0.4232	0.7948	0.0292	0.3017	0.0368	0.3796
58	36.34	0.02	0.3379	0.0524	0.1453	0.1550	0.4300	0.8083	0.0285	0.3085	0.0353	0.3816
59	36.57	0.01	0.3527	0.0554	0.1544	0.1570	0.4378	0.8189	0.0277	0.3127	0.0339	0.3818
60	36.82	0.03	0.3501	0.0552	0.1534	0.1576	0.4382	0.8069	0.0286	0.3069	0.0355	0.3803
61	37.04	0.02	0.3376	0.0534	0.1465	0.1581	0.4339	0.8219	0.0275	0.3137	0.0335	0.3816
62	37.27	0.01	0.3317	0.0555	0.1400	0.1673	0.4220	0.8255	0.0273	0.3129	0.0331	0.3798
63	37.50	0.02	0.3300	0.0529	0.1429	0.1602	0.4333	0.8405	0.0266	0.3210	0.0317	0.3819
64	37.72	0.04	0.3139	0.0490	0.1407	0.1560	0.4482	0.8616	0.0259	0.3290	0.0301	0.3819
65	37.97	0.04	0.2933	0.0465	0.1357	0.1584	0.4626	0.8664	0.0254	0.3320	0.0294	0.3832
66	38.20	0.04	0.3310	0.0512	0.1536	0.1546	0.4641	0.8683	0.0250	0.3302	0.0288	0.3802
67	38.41	0.05	0.3178	0.0505	0.1494	0.1588	0.4702	0.8712	0.0250	0.3332	0.0287	0.3824
68	38.62	0.05	0.3114	0.0511	0.1459	0.1640	0.4685	0.8668	0.0253	0.3292	0.0295	0.3798
69	38.86	0.06	0.2839	0.0488	0.1358	0.1718	0.4783	0.9016	0.0239	0.3442	0.0265	0.3818
70	39.07	0.07	0.2564	0.0442	0.1259	0.1722	0.4910	0.9017	0.0238	0.3433	0.0264	0.3807
71	39.26	0.07	0.2482	0.0447	0.1216	0.1799	0.4899	0.9029	0.0234	0.3449	0.0260	0.3820
72	39.48	0.07	0.2427	0.0438	0.1216	0.1803	0.5010	0.9060	0.0237	0.3442	0.0262	0.3799
73	39.69	0.07	0.2360	0.0419	0.1206	0.1774	0.5110	0.9242	0.0228	0.3517	0.0247	0.3806
74	39.89	0.07	0.1785	0.0316	0.0939	0.1773	0.5261	0.9273	0.0226	0.3527	0.0244	0.3804
75	40.09	0.07	0.1817	0.0302	0.0996	0.1665	0.5483	0.9395	0.0218	0.3575	0.0232	0.3805
76	40.29	0.06	0.1414	0.0217	0.0837	0.1537	0.5921	0.9558	0.0208	0.3658	0.0218	0.3827
77	40.52	0.07	0.0988	0.0076	0.0694	0.0770	0.7323	0.9363	0.0211	0.3555	0.0226	0.3797
78	40.71	0.07	0.0942	-0.0113	0.0710	-0.1201	0.7537	0.9636	0.0197	0.3658	0.0205	0.3796
79	40.92	0.09	0.1006	-0.0082	0.0728	-0.0816	0.7237	0.9710	0.0199	0.3703	0.0205	0.3814
80	41.13	0.09	0.0823	-0.0039	0.0643	-0.0475	0.7811	0.9515	0.0208	0.3599	0.0219	0.3782
81	41.32	0.09	0.0890	-0.0096	0.0671	-0.1080	0.7538	0.9664	0.0194	0.3654	0.0201	0.3785
82	41.52	0.09	0.0775	-0.0079	0.0604	-0.1021	0.7803	0.9798	0.0188	0.3730	0.0192	0.3807
83	41.73	0.12	0.1053	-0.0170	0.0776	-0.1572	0.7167	0.9962	0.0175	0.3789	0.0176	0.3803
84	41.91	0.08	0.0717	-0.0133	0.0555	-0.1859	0.7748	0.9871	0.0184	0.3739	0.0187	0.3788
85	42.11	0.10	0.0789	-0.0163	0.0621	-0.2070	0.7968	1.0063	0.0171	0.3817	0.0170	0.3793
86	42.29	0.08	0.0572	-0.0061	0.0474	-0.1069	0.8293	1.0063	0.0175	0.3813	0.0177	0.3789
87	42.46	0.09	0.0660	-0.0148	0.0548	-0.2247	0.8312	1.0060	0.0171	0.3799	0.0170	0.3776
88	42.64	0.09	0.0873	-0.0175	0.0684	-0.2008	0.7835	1.0136	0.0169	0.3823	0.0166	0.3771
89	42.84	0.10	0.0911	-0.0225	0.0700	-0.2474	0.7684	1.0125	0.0168	0.3825	0.0166	0.3777
90	43.03	0.10	0.0857	-0.0209	0.0677	-0.2443	0.7899	1.0151	0.0167	0.3833	0.0165	0.3776
91	43.21	0.10	0.0923	-0.0225	0.0700	-0.2442	0.7584	1.0389	0.0153	0.3941	0.0147	0.3793
92	43.38	0.09	0.0547	-0.0213	0.0547	-0.3896	0.9995	1.0084	0.0163	0.3783	0.0162	0.3752

PAGE 2 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION			
7			168	0.80	1.7	0.0	81WOF13	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2	
93	43.56	0.10	0.0301	-0.0266	0.0409	-0.0842	1.3565	1.0336	0.0147	0.3897	0.0142	0.3778	
94	43.73	0.10	0.0373	-0.0258	0.0461	-0.0921	1.2345	1.0321	0.0150	0.3885	0.0146	0.3764	
95	43.94	0.09	0.0471	-0.0180	0.0492	-0.03824	1.0437	1.0273	0.0150	0.3852	0.0146	0.3749	
96	44.12	0.10	0.0347	-0.0240	0.0435	-0.0920	1.2518	1.0426	0.0139	0.3922	0.0134	0.3762	
97	44.28	0.09	0.0051	-0.0209	0.0322	-4.1002	6.3143	1.0441	0.0138	0.3919	0.0132	0.3753	
98	44.49	0.09	0.0040	-0.0271	0.0329	-6.7786	8.2262	1.0440	0.0143	0.3923	0.0142	0.3758	
99	44.67	0.10	-0.0184	-0.0297	0.0222	1.6150	-1.2049	1.0570	0.0133	0.3967	0.0126	0.3753	
100	44.85	0.08	-0.0348	-0.0292	0.0153	0.8395	-0.4382	1.0610	0.0131	0.3979	0.0124	0.3751	
101	45.01	0.07	-0.0107	-0.0270	0.0313	2.5247	-2.9252	1.0473	0.0131	0.3910	0.0125	0.3734	
102	45.20	0.07	-0.0544	-0.0322	0.0120	0.5922	-0.2213	1.0663	0.0126	0.3995	0.0118	0.3747	
103	45.37	0.07	-0.0433	-0.0295	0.0177	0.6817	-0.4078	1.0604	0.0129	0.3964	0.0122	0.3739	
104	45.54	0.05	-0.0177	-0.0330	-0.0149	0.3069	0.1380	1.0702	0.0126	0.4003	0.0118	0.3741	
105	45.72	0.05	-0.1243	-0.0346	-0.0200	0.2787	0.1607	1.0746	0.0117	0.4037	0.0109	0.3756	
106	45.89	0.05	-0.1078	-0.0366	-0.0108	0.3391	0.1006	1.0750	0.0114	0.4027	0.0106	0.3747	
107	46.06	0.04	-0.1644	-0.0410	-0.0398	0.2491	0.2418	1.0706	0.0120	0.4005	0.0112	0.3741	
108	46.24	0.04	-0.2165	-0.0439	-0.0644	0.2026	0.2973	1.0736	0.0120	0.4007	0.0112	0.3733	
109	46.40	0.03	-0.1723	-0.0375	-0.0408	0.2174	0.2367	1.0805	0.0110	0.4029	0.0102	0.3728	
110	46.58	0.03	-0.2285	-0.0411	-0.0687	0.1797	0.3006	1.0872	0.0108	0.4061	0.0099	0.3735	
111	46.75	0.01	-0.2204	-0.0378	-0.0702	0.1713	0.3185	1.1106	0.0093	0.4152	0.0084	0.3738	
112	46.92	-0.01	-0.2427	-0.0353	-0.0839	0.1452	0.3458	1.1267	0.0091	0.4213	0.0081	0.3739	
113	47.08	-0.03	-0.0432	-0.0003	0.0019	0.0069	-0.0441	1.1498	0.0085	0.4308	0.0074	0.3746	
114	47.26	-0.01	-0.0776	-0.0061	-0.0215	0.0788	0.2770	1.1673	0.0084	0.4376	0.0072	0.3749	
115	47.42	-0.02	-0.1236	-0.0144	-0.0368	0.1167	0.2973	1.1596	0.0078	0.4330	0.0067	0.3734	
116	47.60	-0.02	-0.1057	-0.0098	-0.0339	0.0929	0.3211	1.1653	0.0079	0.4360	0.0068	0.3742	
117	47.77	-0.02	-0.0935	-0.0099	-0.0266	0.1061	0.2846	1.1676	0.0074	0.4366	0.0063	0.3739	
118	47.96	-0.03	-0.1125	-0.0115	-0.0315	0.1024	0.2803	1.1677	0.0072	0.4359	0.0062	0.3732	
119	48.10	-0.02	-0.1267	-0.0163	-0.0469	0.1288	0.3701	1.1734	0.0069	0.4392	0.0059	0.3743	
120	48.29	-0.02	-0.1895	-0.0284	-0.0686	0.1501	0.3620	1.1677	0.0064	0.4364	0.0055	0.3737	
121	48.46	-0.02	-0.1515	-0.0188	-0.0536	0.1242	0.3538	1.1649	0.0065	0.4347	0.0056	0.3732	
122	48.62	-0.02	-0.1749	-0.0244	-0.0676	0.1397	0.3865	1.1873	0.0053	0.4433	0.0045	0.3734	
123	48.80	-0.01	-0.2084	-0.0316	-0.0780	0.1519	0.3744	1.1786	0.0057	0.4452	0.0048	0.3735	
124	48.98	-0.01	-0.2151	-0.0335	-0.0822	0.1560	0.3623	1.1808	0.0052	0.4427	0.0044	0.3749	
125	49.16	-0.01	-0.2536	-0.0432	-0.0992	0.1700	0.3908	1.1723	0.0050	0.4384	0.0043	0.3740	
126	49.33	-0.01	-0.2528	-0.0476	-0.1032	0.1881	0.4083	1.1552	0.0054	0.4302	0.0047	0.3724	
127	49.50	-0.01	-0.2589	-0.0435	-0.1004	0.1679	0.3878	1.1536	0.0054	0.4301	0.0047	0.3728	
128	49.68	-0.01	-0.2636	-0.0471	-0.1021	0.1735	0.3873	1.1610	0.0045	0.4324	0.0039	0.3724	
129	49.85	-0.01	-0.2485	-0.0435	-0.0989	0.1749	0.3980	1.1552	0.0048	0.4305	0.0042	0.3726	
130	50.02	0.00	-0.2681	-0.0438	-0.1078	0.1632	0.4022	1.1323	0.0055	0.4200	0.0049	0.3709	
131	50.19	0.00	-0.2436	-0.0431	-0.0970	0.1768	0.3981	1.1423	0.0047	0.4247	0.0041	0.3718	
132	50.37	0.02	-0.2414	-0.0409	-0.0983	0.1892	0.4072	1.1503	0.0047	0.4283	0.0041	0.3723	
133	50.54	0.02	-0.2466	-0.0386	-0.0997	0.1563	0.4043	1.1387	0.0053	0.4237	0.0047	0.3721	
134	50.69	0.03	-0.2199	-0.0363	-0.0888	0.1649	0.4037	1.1479	0.0046	0.4284	0.0040	0.3731	
135	50.86	0.03	-0.2347	-0.0340	-0.0960	0.1451	0.4090	1.1335	0.0056	0.4218	0.0049	0.3721	
136	51.04	0.04	-0.2196	-0.0279	-0.0891	0.1272	0.4056	1.1273	0.0055	0.4171	0.0049	0.3700	
137	51.23	0.05	-0.2284	-0.0455	-0.0704	0.1991	0.3082	1.1778	0.0033	0.4380	0.0028	0.3719	
138	51.38	0.04	-0.2480	-0.0436	-0.0835	0.1756	0.3368	1.1758	0.0029	0.4347	0.0025	0.3697	

PAGE 2 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		168	0.80	1.7	0.0	81WOF13	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CNF1	CHI	CBI	KCPF1	YCPF1	CNF2	CH2	CB2	KCPF2	YCPF2
132	51.59	0.07	-0.2440	-0.0434	-0.0835	0.1777	0.3424	1.1989	0.0013	0.4441	0.0015	0.3704
140	51.75	0.04	-0.2324	-0.0406	-0.0777	0.1745	0.3344	1.1898	0.0024	0.4385	0.0020	0.3688
141	51.94	0.06	-0.2775	-0.0472	-0.0924	0.1700	0.3330	1.2043	0.0017	0.4443	0.0014	0.3689
142	52.09	0.06	-0.2562	-0.0398	-0.0867	0.1552	0.3382	1.1985	0.0017	0.4417	0.0014	0.3688
143	52.26	0.07	-0.2862	-0.0477	-0.0949	0.1666	0.3316	1.2248	0.0	0.4539	0.0	0.3706
144	52.44	0.09	-0.2325	-0.0355	-0.0765	0.1525	0.3291	1.2379	-0.0004	0.4577	-0.0003	0.3697
145	52.60	0.09	-0.2384	-0.0307	-0.0778	0.1290	0.3264	1.1980	0.0013	0.4402	0.0011	0.3675
146	52.75	0.03	-0.2460	-0.0320	-0.0831	0.1303	0.3379	1.2164	0.0005	0.4486	0.0004	0.3688
147	52.93	0.09	-0.2020	-0.0270	-0.0618	0.1339	0.3057	1.2419	-0.0010	0.4601	-0.0008	0.3705
148	53.09	0.09	-0.1698	-0.0196	-0.0498	0.1158	0.2937	1.2172	0.0001	0.4489	0.0001	0.3688
149	53.24	0.09	-0.1235	-0.0106	-0.0264	0.0859	0.2138	1.2204	-0.0006	0.4497	-0.0005	0.3685
150	53.40	0.11	-0.0903	-0.0130	-0.0150	0.1442	0.1657	1.2580	-0.0026	0.4647	-0.0021	0.3694
151	53.56	0.10	-0.0104	0.0050	0.0256	-0.4810	-2.4598	1.2450	-0.0020	0.4608	-0.0016	0.3701
152	53.72	0.11	-0.0249	0.0031	0.0156	-0.1246	-0.6245	1.2341	-0.0015	0.4550	-0.0012	0.3687
153	53.98	0.10	-0.0023	0.0090	0.0320	-3.9151	-13.9139	1.2420	-0.0025	0.4577	-0.0020	0.3685
154	54.03	0.11	-0.0250	0.0051	0.0224	-0.2041	-0.8949	1.2375	-0.0018	0.4555	-0.0015	0.3680
155	54.20	0.10	-0.0050	0.0073	0.0399	-1.4608	-7.9654	1.2419	-0.0020	0.4577	-0.0016	0.3685
156	54.35	0.10	-0.0244	0.0032	0.0274	-0.1312	-1.1224	1.2516	-0.0025	0.4625	-0.0020	0.3695
157	54.52	0.11	-0.0078	0.0093	0.0393	-1.1929	-5.0289	1.2483	-0.0024	0.4604	-0.0019	0.3688
158	54.67	0.10	-0.0248	0.0061	0.0277	-0.2461	-1.1165	1.2386	-0.0024	0.4573	-0.0019	0.3694
159	54.81	0.11	-0.0262	0.0057	0.0279	-0.2177	-1.0645	1.2476	-0.0025	0.4606	-0.0020	0.3692
160	54.97	0.11	-0.0465	0.0017	0.0196	-0.0366	-0.4207	1.2454	-0.0019	0.4593	-0.0015	0.3688
161	55.11	0.12	-0.0309	0.0052	0.0237	-0.1684	-0.7662	1.2530	-0.0032	0.4625	-0.0026	0.3691
162	55.30	0.11	-0.0371	0.0027	0.0207	-0.0728	-0.5570	1.2651	-0.0041	0.4675	-0.0032	0.3696
163	55.45	0.12	-0.0324	0.0040	0.0169	-0.1235	-0.5202	1.2634	-0.0038	0.4674	-0.0030	0.3700
164	55.63	0.11	-0.0279	0.0034	0.0148	-0.1219	-0.5286	1.2436	-0.0025	0.4580	-0.0020	0.3683
165	55.79	0.10	-0.0364	0.0034	0.0079	-0.0935	-0.2177	1.2520	-0.0035	0.4615	-0.0028	0.3688
166	55.98	0.11	-0.0232	0.0043	0.0116	-0.1854	-0.5016	1.2882	-0.0055	0.4764	-0.0043	0.3698
167	56.13	0.11	-0.0328	0.0051	0.0106	-0.1556	-0.3242	1.2580	-0.0039	0.4643	-0.0031	0.3691
168	56.28	0.09	-0.0277	0.0017	0.0064	-0.0614	-0.2318	1.2822	-0.0056	0.4736	-0.0044	0.3694
169	56.45	0.11	-0.0567	0.0003	-0.0020	-0.0053	0.0354	1.2551	-0.0038	0.4621	-0.0030	0.3682
170	56.61	0.11	-0.0198	0.0058	0.0076	-0.2931	-0.3851	1.2731	-0.0054	0.4715	-0.0042	0.3704
171	56.78	0.09	-0.0282	0.0046	0.0082	-0.1703	-0.2917	1.2672	-0.0048	0.4679	-0.0038	0.3693
172	56.92	0.09	-0.0253	0.0046	0.0076	-0.1819	-0.3014	1.2611	-0.0045	0.4652	-0.0036	0.3689
173	57.08	0.08	-0.0337	0.0053	0.0078	-0.1574	-0.2322	1.2687	-0.0052	0.4684	-0.0041	0.3692
174	57.23	0.08	-0.0463	0.0040	0.0013	-0.0864	-0.0282	1.2581	-0.0045	0.4635	-0.0036	0.3684
175	57.36	0.07	-0.0171	0.0073	0.0151	-0.4271	-0.8800	1.2597	-0.0049	0.4635	-0.0039	0.3679
176	57.50	0.03	-0.0205	0.0046	0.0118	-0.2343	-0.5775	1.2777	-0.0062	0.4729	-0.0049	0.3702
177	57.67	0.07	-0.0490	0.0028	0.0015	-0.0572	-0.0307	1.2475	-0.0037	0.4601	-0.0030	0.3688
178	57.81	0.06	0.0134	0.0108	0.0293	0.8064	2.1861	1.2777	-0.0060	0.4729	-0.0047	0.3702
179	57.96	0.07	-0.0365	0.0048	0.0084	-0.1316	-0.2309	1.2701	-0.0058	0.4713	-0.0046	0.3711
180	57.98	0.05	-0.0446	0.0060	0.0067	-0.1346	-0.1507	1.2687	-0.0057	0.4700	-0.0045	0.3705
181	57.98	0.07	-0.0269	0.0060	0.0163	-0.2232	-0.6042	1.2732	-0.0061	0.4714	-0.0048	0.3703
182	57.97	0.04	-0.0046	0.0100	0.0217	-2.1751	-4.7107	1.2687	-0.0057	0.4700	-0.0045	0.3705
183	58.00	0.07	-0.0213	0.0080	0.0152	-0.3758	-0.7112	1.2793	-0.0065	0.4730	-0.0051	0.3698
184	58.00	0.06	-0.0147	0.0081	0.0169	-0.5513	-1.1465	1.2883	-0.0068	0.4772	-0.0053	0.3704

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSROC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 168 0.80 1.7 0.0 BIWOF13 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
185	57.99	0.05	-0.0265	0.0063	0.0140	-0.2379	-0.5262	1.2867	-0.0070	3.4775	-0.0054	0.3711

PAGE 3 OF 3
SHEET 1 OF 8

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 168 0.80 1.7				0.0	81W0F13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.70	0.04	0.0137	9.9999	0.0216	9.9999	1.5744	-0.7344	-0.0436	-0.3009	0.0593	0.4098
2	-5.70	0.02	0.0056	9.9999	0.0183	9.9999	3.2604	-0.7356	-0.0446	-0.3007	0.0606	0.4088
3	-5.71	0.03	0.0137	9.9999	0.0216	9.9999	1.5744	-0.7345	-0.0439	-0.3009	0.0597	0.4097
4	-5.71	0.02	0.0164	9.9999	0.0221	9.9999	1.3458	-0.7285	-0.0433	-0.2986	0.0594	0.4099
5	-5.83	0.01	0.0110	9.9999	0.0207	9.9999	1.8787	-0.7308	-0.0455	-0.2993	0.0622	0.4096
6	-5.64	0.02	0.0124	9.9999	0.0204	9.9999	1.6473	-0.7141	-0.0454	-0.2930	0.0677	0.4103
7	-3.97	0.01	0.0110	9.9999	0.0200	9.9999	1.8149	-0.6559	-0.0553	-0.2709	0.0843	0.4130
8	-2.24	0.01	0.0016	9.9999	0.0159	9.9999	9.9066	-0.5775	-0.0573	-0.2426	0.0992	0.4201
9	-0.46	0.02	0.0083	9.9999	0.0198	9.9999	2.3911	-0.4977	-0.0571	-0.2158	0.1147	0.4336
10	1.31	0.01	0.0164	9.9999	0.0228	9.9999	1.3886	-0.3775	-0.0469	-0.1646	0.1241	0.4359
11	3.16	0.01	0.0109	9.9999	0.0218	9.9999	1.9972	-0.2428	-0.0296	-0.0995	0.1221	0.4098
12	4.87	0.02	0.0082	9.9999	0.0209	9.9999	2.5447	-0.1311	-0.0132	-0.0486	0.1008	0.3706
13	6.68	0.02	0.0082	9.9999	0.0205	9.9999	2.4958	-0.0276	0.0040	-0.0075	-0.1450	0.2726
14	8.45	0.02	0.0109	9.9999	0.0217	9.9999	1.9880	0.0709	0.0257	0.0355	0.3632	0.5016
15	10.21	0.02	0.0095	9.9999	0.0224	9.9999	2.3549	0.1779	0.0455	0.0618	0.2556	0.4601
16	12.01	0.02	0.0261	9.9999	0.0219	9.9999	0.8379	0.2860	0.0647	0.1337	0.2262	0.4677
17	13.81	0.02	0.0304	9.9999	0.0203	9.9999	0.6666	0.3929	0.0736	0.1854	0.1874	0.4718
18	15.63	0.02	0.0358	9.9999	0.0224	9.9999	0.6249	0.5031	0.0733	0.2334	0.1457	0.4639
19	17.51	0.01	0.0358	9.9999	0.0220	9.9999	0.6137	0.5840	0.0643	0.2732	0.1101	0.4678
20	19.31	0.01	0.0308	9.9999	0.0146	9.9999	0.4723	0.5949	0.0519	0.2765	0.0872	0.4648
21	21.15	0.01	0.0307	9.9999	0.0153	9.9999	0.4967	0.5401	0.0411	0.2509	0.0760	0.4664
22	22.98	0.00	0.0376	9.9999	0.0164	9.9999	0.4349	0.5499	0.0391	0.2601	0.0710	0.4729
23	24.77	0.01	0.0284	9.9999	0.0094	9.9999	0.3320	0.5613	0.0378	0.2686	0.0673	0.4785
24	26.61	0.03	0.0406	9.9999	0.0144	9.9999	0.3533	0.6246	0.0352	0.2959	0.0563	0.4786
25	27.59	0.06	0.0460	9.9999	0.0158	9.9999	0.3424	0.6404	0.0346	0.3096	0.0541	0.4834
26	27.97	0.05	0.0529	9.9999	0.0173	9.9999	0.3262	0.6467	0.0341	0.3135	0.0528	0.4848
27	28.35	0.05	0.0503	9.9999	0.0160	9.9999	0.3171	0.6357	0.0345	0.3111	0.0544	0.4894
28	28.66	0.05	0.0395	9.9999	0.0103	9.9999	0.2616	0.6451	0.0343	0.3138	0.0532	0.4864
29	28.92	0.05	0.0504	9.9999	0.0142	9.9999	0.2507	0.6484	0.0339	0.3185	0.0524	0.4912
30	29.25	0.04	0.0587	9.9999	0.0176	9.9999	0.2996	0.6451	0.0339	0.3178	0.0526	0.4928
31	29.53	0.05	0.0561	9.9999	0.0156	9.9999	0.2777	0.6467	0.0339	0.3190	0.0525	0.4933
32	29.81	0.04	0.0504	9.9999	0.0153	9.9999	0.3026	0.6420	0.0340	0.3176	0.0530	0.4947
33	30.07	0.04	0.0505	9.9999	0.0139	9.9999	0.2741	0.6577	0.0337	0.3253	0.0513	0.4947
34	30.33	0.05	0.0491	9.9999	0.0146	9.9999	0.2963	0.6533	0.0335	0.3257	0.0509	0.4941
35	30.62	0.05	0.0588	9.9999	0.0176	9.9999	0.2991	0.6432	0.0345	0.3202	0.0537	0.4979
36	30.87	0.06	0.0424	9.9999	0.0124	9.9999	0.2910	0.6574	0.0341	0.3270	0.0519	0.4975
37	31.15	0.05	0.0518	9.9999	0.0167	9.9999	0.3254	0.6639	0.0335	0.3297	0.0505	0.4965
38	31.43	0.05	0.0546	9.9999	0.0170	9.9999	0.3105	0.6638	0.0338	0.3305	0.0510	0.4978
39	31.67	0.03	0.0452	9.9999	0.0137	9.9999	0.3018	0.6669	0.0335	0.3316	0.0503	0.4972
40	31.96	0.04	0.0479	9.9999	0.0142	9.9999	0.2953	0.6779	0.0334	0.3363	0.0493	0.4960
41	32.21	0.04	0.0465	9.9999	0.0138	9.9999	0.2956	0.6907	0.0327	0.3438	0.0474	0.4977
42	32.48	0.02	0.0561	9.9999	0.0189	9.9999	0.3368	0.6796	0.0331	0.3394	0.0488	0.4994
43	32.73	0.04	0.0465	9.9999	0.0148	9.9999	0.3171	0.6860	0.0326	0.3424	0.0476	0.4991
44	32.98	0.03	0.0451	9.9999	0.0148	9.9999	0.3270	0.6749	0.0333	0.3385	0.0494	0.5015
45	33.22	0.02	0.0397	9.9999	0.0118	9.9999	0.2982	0.6874	0.0334	0.3433	0.0487	0.4994
46	33.47	0.03	0.0492	9.9999	0.0165	9.9999	0.3344	0.7048	0.0324	0.3516	0.0460	0.4989

PAGE 3 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION				
7	168	0.80	1.7	0.0	0140F13	0.0	0	-10	0	-10	UNKNOWN			
POINT	ALPHA	BETA	CNF3	CN3	C83	XCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4		
47	33.73	0.03	0.0464	9.9999	0.0167	9.9999	0.3589	0.6857	0.0333	0.3438	0.0486	0.5014		
48	33.96	0.02	0.0464	9.9999	0.0174	9.9999	0.1740	0.7001	0.0327	0.3502	0.0468	0.5002		
49	34.21	0.03	0.0464	9.9999	0.0167	9.9999	0.3589	0.7099	0.0317	0.3557	0.0447	0.5010		
50	34.46	0.04	0.0478	9.9999	0.0186	9.9999	0.3853	0.7018	0.0320	0.3524	0.0457	0.5022		
51	34.71	0.03	0.0519	9.9999	0.0206	9.9999	0.3963	0.7179	0.0313	0.3598	0.0437	0.5012		
52	34.94	0.04	0.0533	9.9999	0.0207	9.9999	0.3877	0.7131	0.0313	0.3584	0.0440	0.5025		
53	35.17	0.04	0.0531	9.9999	0.0225	9.9999	0.4232	0.7274	0.0311	0.3645	0.0428	0.5011		
54	35.42	0.05	0.0546	9.9999	0.0230	9.9999	0.4208	0.7242	0.0312	0.3635	0.0431	0.5019		
55	35.65	0.04	0.0505	9.9999	0.0213	9.9999	0.4211	0.7464	0.0306	0.3714	0.0411	0.4976		
56	35.87	0.02	0.0561	9.9999	0.0238	9.9999	0.4246	0.7368	0.0312	0.3683	0.0424	0.4999		
57	36.12	0.01	0.0465	9.9999	0.0204	9.9999	0.4380	0.7367	0.0310	0.3685	0.0421	0.5002		
58	36.34	0.02	0.0507	9.9999	0.0217	9.9999	0.4274	0.7415	0.0309	0.3714	0.0417	0.5009		
59	36.57	0.01	0.0547	9.9999	0.0245	9.9999	0.4475	0.7543	0.0303	0.3766	0.0402	0.4993		
60	36.82	0.03	0.0604	9.9999	0.0263	9.9999	0.4359	0.7432	0.0305	0.3718	0.0411	0.5003		
61	37.04	0.02	0.0506	9.9999	0.0232	9.9999	0.4580	0.7495	0.0303	0.3729	0.0405	0.4976		
62	37.27	0.01	0.0425	9.9999	0.0199	9.9999	0.4674	0.7670	0.0299	0.3806	0.0390	0.4962		
63	37.50	0.02	0.0453	9.9999	0.0204	9.9999	0.4496	0.7735	0.0294	0.3828	0.0381	0.4968		
64	37.72	0.04	0.0439	9.9999	0.0211	9.9999	0.4799	0.7753	0.0289	0.3836	0.0373	0.4947		
65	37.97	0.04	0.0509	9.9999	0.0237	9.9999	0.4651	0.7930	0.0284	0.3910	0.0359	0.4931		
66	38.20	0.04	0.0552	9.9999	0.0262	9.9999	0.4752	0.7992	0.0287	0.3932	0.0360	0.4920		
67	38.41	0.05	0.0649	9.9999	0.0300	9.9999	0.4629	0.7880	0.0287	0.3883	0.0365	0.4927		
68	38.62	0.05	0.0522	9.9999	0.0264	9.9999	0.5054	0.7881	0.0284	0.3875	0.0361	0.4917		
69	38.86	0.06	0.0494	9.9999	0.0251	9.9999	0.5077	0.8171	0.0275	0.3990	0.0337	0.4883		
70	39.07	0.07	0.0453	9.9999	0.0227	9.9999	0.5005	0.7913	0.0282	0.3873	0.0357	0.4894		
71	39.28	0.07	0.0383	9.9999	0.0208	9.9999	0.5422	0.8124	0.0273	0.3965	0.0337	0.4881		
72	39.48	0.07	0.0507	9.9999	0.0266	9.9999	0.5244	0.9140	0.0272	0.3962	0.0335	0.4867		
73	39.69	0.07	0.0493	9.9999	0.0258	9.9999	0.5230	0.8077	0.0271	0.3928	0.0336	0.4863		
74	39.89	0.07	0.0520	9.9999	0.0271	9.9999	0.5209	0.7963	0.0275	0.3872	0.0346	0.4862		
75	40.09	0.07	0.0452	9.9999	0.0241	9.9999	0.5327	0.8092	0.0270	0.3917	0.0334	0.4840		
76	40.29	0.06	0.0478	9.9999	0.0257	9.9999	0.5373	0.8044	0.0270	0.3881	0.0336	0.4824		
77	40.52	0.07	0.0451	9.9999	0.0241	9.9999	0.5339	0.7788	0.0275	0.3774	0.0357	0.4846		
78	40.71	0.07	0.0506	9.9999	0.0255	9.9999	0.5036	0.7686	0.0294	0.3728	0.0353	0.4851		
79	40.92	0.09	0.0423	9.9999	0.0236	9.9999	0.5573	0.7733	0.0295	0.3738	0.0362	0.4934		
80	41.13	0.09	0.0533	9.9999	0.0275	9.9999	0.5157	0.7977	0.0280	0.3835	0.0352	0.4887		
81	41.32	0.09	0.0518	9.9999	0.0273	9.9999	0.5268	0.7927	0.0285	0.3796	0.0360	0.4788		
82	41.52	0.09	0.0505	9.9999	0.0254	9.9999	0.5026	0.8056	0.0279	0.3852	0.0347	0.4781		
83	41.73	0.12	0.0601	9.9999	0.0306	9.9999	0.5100	0.7908	0.0293	0.3776	0.0371	0.4775		
84	41.91	0.08	0.0476	9.9999	0.0256	9.9999	0.5374	0.7990	0.0295	0.3812	0.0357	0.4770		
85	42.11	0.10	0.0502	9.9999	0.0268	9.9999	0.5336	0.8055	0.0283	0.3835	0.0352	0.4760		
86	42.29	0.08	0.0502	9.9999	0.0268	9.9999	0.5336	0.8442	0.0259	0.3972	0.0307	0.4706		
87	42.46	0.09	0.0475	9.9999	0.0244	9.9999	0.5132	0.8295	0.0272	0.3917	0.0328	0.4722		
88	42.64	0.09	0.0571	9.9999	0.0289	9.9999	0.5069	0.8325	0.0275	0.3903	0.0331	0.4689		
89	42.84	0.10	0.0472	9.9999	0.0258	9.9999	0.5462	0.8257	0.0283	0.3856	0.0343	0.4670		
90	43.03	0.10	0.0527	9.9999	0.0264	9.9999	0.5006	0.8369	0.0273	0.3877	0.0327	0.4633		
91	43.21	0.10	0.0513	9.9999	0.0259	9.9999	0.5045	0.8417	0.0271	0.3902	0.0322	0.4636		
92	43.38	0.09	0.0607	9.9999	0.0296	9.9999	0.4884	0.9543	0.0260	0.3936	0.0305	0.4608		

PAGE 3 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 168 0.80 1.7			0.0	BLWOF13	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	43.56	0.10	0.0593	9.9999	0.0295	9.9999	0.4982	0.8559	0.0260	0.3941	0.0394	0.4605
94	43.73	0.10	0.0498	9.9999	0.0251	9.9999	0.5036	0.8638	0.0256	0.3971	0.0297	0.4598
95	43.94	0.09	0.0579	9.9999	0.0276	9.9999	0.4773	0.8989	0.0247	0.4057	0.0278	0.4564
96	44.12	0.10	0.0534	9.9999	0.0276	9.9999	0.5166	0.8745	0.0248	0.3975	0.0284	0.4546
97	44.28	0.09	0.0508	9.9999	0.0257	9.9999	0.5055	0.9046	0.0232	0.4110	0.0257	0.4543
98	44.49	0.09	0.0576	9.9999	0.0289	9.9999	0.5025	0.9014	0.0234	0.4079	0.0260	0.4525
99	44.67	0.10	0.0520	9.9999	0.0264	9.9999	0.5074	0.9092	0.0228	0.4106	0.0251	0.4516
100	44.85	0.08	0.0506	9.9999	0.0260	9.9999	0.5135	0.9232	0.0221	0.4154	0.0240	0.4499
101	45.01	0.07	0.0536	9.9999	0.0292	9.9999	0.4990	0.9135	0.0224	0.4128	0.0246	0.4519
102	45.20	0.07	0.0412	9.9999	0.0215	9.9999	0.5211	0.9279	0.0210	0.4175	0.0227	0.4499
103	45.37	0.07	0.0545	9.9999	0.0272	9.9999	0.4988	0.9339	0.0215	0.4193	0.0231	0.4498
104	45.54	0.05	0.0438	9.9999	0.0223	9.9999	0.5085	0.9453	0.0196	0.4243	0.0208	0.4489
105	45.72	0.05	0.0384	9.9999	0.0206	9.9999	0.5356	0.9456	0.0187	0.4318	0.0194	0.4472
106	45.89	0.05	0.0462	9.9999	0.0238	9.9999	0.5146	0.9448	0.0194	0.4244	0.0206	0.4493
107	46.06	0.04	0.0409	9.9999	0.0214	9.9999	0.5224	0.9574	0.0183	0.4284	0.0191	0.4474
108	46.24	0.04	0.0383	9.9999	0.0198	9.9999	0.5160	0.9780	0.0167	0.4368	0.0171	0.4466
109	46.40	0.03	0.0410	9.9999	0.0199	9.9999	0.4845	0.9763	0.0165	0.4367	0.0169	0.4473
110	46.58	0.03	0.0382	9.9999	0.0190	9.9999	0.4963	0.9886	0.0153	0.4403	0.0155	0.4454
111	46.75	0.01	0.0316	9.9999	0.0169	9.9999	0.5333	0.9980	0.0146	0.4437	0.0147	0.4446
112	46.92	-0.01	0.0222	9.9999	0.0125	9.9999	0.5603	1.0346	0.0129	0.4604	0.0125	0.4459
113	47.08	-0.03	0.0249	9.9999	0.0134	9.9999	0.5358	1.0584	0.0144	0.4698	0.0136	0.4439
114	47.26	-0.01	0.0248	9.9999	0.0144	9.9999	0.5785	1.0801	0.0133	0.4780	0.0123	0.4425
115	47.42	-0.02	0.0261	9.9999	0.0146	9.9999	0.5650	1.0861	0.0132	0.4723	0.0124	0.4431
116	47.60	-0.02	0.0221	9.9999	0.0135	9.9999	0.6083	1.0797	0.0132	0.4783	0.0122	0.4430
117	47.77	-0.02	0.0300	9.9999	0.0164	9.9999	0.5451	1.0859	0.0119	0.4807	0.0119	0.4427
118	47.96	-0.01	0.0247	9.9999	0.0147	9.9999	0.5930	1.0875	0.0117	0.4819	0.0108	0.4431
119	48.10	-0.02	0.0220	9.9999	0.0142	9.9999	0.6430	1.0831	0.0113	0.4806	0.0104	0.4437
120	48.29	-0.02	0.0259	9.9999	0.0151	9.9999	0.5810	1.0701	0.0109	0.4745	0.0102	0.4435
121	48.46	-0.02	0.0311	9.9999	0.0155	9.9999	0.5935	1.0869	0.0107	0.4828	0.0099	0.4442
122	48.62	-0.02	0.0246	9.9999	0.0146	9.9999	0.5913	1.0835	0.0106	0.4804	0.0098	0.4434
123	48.80	-0.01	0.0220	9.9999	0.0124	9.9999	0.5509	1.0870	0.0092	0.4831	0.0085	0.4444
124	48.98	-0.01	0.0140	9.9999	0.0105	9.9999	0.7524	1.0697	0.0102	0.4755	0.0095	0.4446
125	49.16	-0.01	0.0233	9.9999	0.0135	9.9999	0.5749	1.0516	0.0104	0.4658	0.0099	0.4458
126	49.33	-0.01	0.0167	9.9999	0.0113	9.9999	0.6788	1.0011	0.0121	0.4450	0.0121	0.4443
127	49.50	-0.01	0.0140	9.9999	0.0108	9.9999	0.7739	1.0290	0.0103	0.4599	0.0109	0.4469
128	49.68	-0.01	0.0192	9.9999	0.0136	9.9999	0.7054	1.0151	0.0111	0.4530	0.0110	0.4462
129	49.85	-0.01	0.0180	9.9999	0.0117	9.9999	0.6521	1.0089	0.0115	0.4497	0.0114	0.4458
130	50.02	0.00	0.0232	9.9999	0.0142	9.9999	0.6097	1.0026	0.0121	0.4465	0.0121	0.4454
131	50.19	0.00	0.0140	9.9999	0.0115	9.9999	0.8241	0.9846	0.0122	0.4397	0.0124	0.4466
132	50.37	0.02	0.0154	9.9999	0.0106	9.9999	0.6905	0.9835	0.0120	0.4393	0.0122	0.4467
133	50.54	0.02	0.0192	9.9999	0.0140	9.9999	0.7263	0.9867	0.0115	0.4398	0.0117	0.4457
134	50.69	0.03	0.0232	9.9999	0.0149	9.9999	0.6400	0.9884	0.0116	0.4417	0.0118	0.4469
135	50.86	0.03	0.0181	9.9999	0.0114	9.9999	0.6318	1.0007	0.0111	0.4457	0.0111	0.4464
136	51.04	0.04	0.0219	9.9999	0.0152	9.9999	0.6917	1.0045	0.0101	0.4472	0.0101	0.4452
137	51.23	0.05	0.0350	9.9999	0.0212	9.9999	0.6048	1.0433	0.0078	0.4648	0.0075	0.4453
138	51.38	0.04	0.0285	9.9999	0.0181	9.9999	0.6336	1.0459	0.0064	0.4690	0.0061	0.4485

PAGE 3 OF 3
SHEET 4 OF 8

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RK10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 168 0.80 1.7			0.0	BIWOF13	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
139	51.59	0.07	0.0324	9.9999	0.0214	9.9999	0.6595	1.0325	0.0088	0.4567	0.0085	0.4423
140	51.75	0.04	0.0272	9.9999	0.0184	9.9999	0.6749	1.0238	0.0092	0.4541	0.0090	0.4435
141	51.94	0.06	0.0258	9.9999	0.0194	9.9999	0.7505	1.0378	0.0082	0.4607	0.0079	0.4439
142	52.09	0.06	0.0298	9.9999	0.0203	9.9999	0.6800	1.0270	0.0087	0.4561	0.0085	0.4441
143	52.26	0.07	0.0312	9.9999	0.0215	9.9999	0.6881	1.0558	0.0075	0.4671	0.0071	0.4424
144	52.44	0.09	0.0312	9.9999	0.0218	9.9999	0.6977	1.0465	0.0078	0.4617	0.0075	0.4431
145	52.60	0.09	0.0325	9.9999	0.0223	9.9999	0.6853	1.0501	0.0075	0.4657	0.0072	0.4435
146	52.75	0.09	0.0379	9.9999	0.0251	9.9999	0.6617	1.0570	0.0070	0.4702	0.0066	0.4449
147	52.93	0.09	0.0380	9.9999	0.0251	9.9999	0.6600	1.0727	0.0068	0.4747	0.0063	0.4426
148	53.09	0.09	0.0379	9.9999	0.0262	9.9999	0.6909	1.0574	0.0068	0.4699	0.0064	0.4444
149	53.24	0.09	0.0340	9.9999	0.0243	9.9999	0.7140	1.0739	0.0064	0.4761	0.0060	0.4433
150	53.40	0.11	0.0435	9.9999	0.0277	9.9999	0.6365	1.0601	0.0074	0.4716	0.0070	0.4449
151	53.56	0.10	0.0383	9.9999	0.0261	9.9999	0.6810	1.0642	0.0072	0.4726	0.0068	0.4441
152	53.72	0.11	0.0397	9.9999	0.0269	9.9999	0.6772	1.0600	0.0073	0.4709	0.0069	0.4443
153	53.88	0.10	0.0438	9.9999	0.0294	9.9999	0.6711	1.0673	0.0070	0.4740	0.0066	0.4442
154	54.03	0.11	0.0384	9.9999	0.0269	9.9999	0.7001	1.0737	0.0065	0.4763	0.0061	0.4436
155	54.20	0.10	0.0358	9.9999	0.0243	9.9999	0.6781	1.0768	0.0065	0.4768	0.0060	0.4446
156	54.35	0.10	0.0331	9.9999	0.0249	9.9999	0.7516	1.0819	0.0068	0.4806	0.0063	0.4442
157	54.52	0.11	0.0319	9.9999	0.0234	9.9999	0.7327	1.0936	0.0062	0.4843	0.0057	0.4428
158	54.67	0.10	0.0359	9.9999	0.0262	9.9999	0.7293	1.0831	0.0063	0.4803	0.0058	0.4434
159	54.81	0.11	0.0359	9.9999	0.0266	9.9999	0.7405	1.0974	0.0060	0.4872	0.0055	0.4440
160	54.97	0.11	0.0388	9.9999	0.0268	9.9999	0.6903	1.0994	0.0060	0.4881	0.0055	0.4440
161	55.11	0.12	0.0387	9.9999	0.0275	9.9999	0.7103	1.1011	0.0058	0.4885	0.0053	0.4436
162	55.30	0.11	0.0306	9.9999	0.0238	9.9999	0.7770	1.0980	0.0056	0.4868	0.0051	0.4433
163	55.45	0.12	0.0374	9.9999	0.0264	9.9999	0.7055	1.1076	0.0051	0.4922	0.0046	0.4444
164	55.63	0.11	0.0388	9.9999	0.0276	9.9999	0.7110	1.0814	0.0059	0.4823	0.0055	0.4460
165	55.79	0.10	0.0334	9.9999	0.0248	9.9999	0.7419	1.0963	0.0054	0.4907	0.0049	0.4476
166	55.98	0.11	0.0279	9.9999	0.0234	9.9999	0.8378	1.1155	0.0043	0.4970	0.0039	0.4456
167	56.13	0.11	0.0307	9.9999	0.0235	9.9999	0.7647	1.1189	0.0039	0.5002	0.0035	0.4471
168	56.28	0.09	0.0260	9.9999	0.0220	9.9999	0.7846	1.1028	0.0048	0.4941	0.0044	0.4481
169	56.45	0.11	0.0307	9.9999	0.0235	9.9999	0.7647	1.1141	0.0040	0.4977	0.0036	0.4468
170	56.61	0.11	0.0320	9.9999	0.0247	9.9999	0.7712	1.1111	0.0037	0.4979	0.0033	0.4481
171	56.78	0.09	0.0225	9.9999	0.0198	9.9999	0.8764	1.1191	0.0034	0.5011	0.0030	0.4477
172	56.92	0.09	0.0239	9.9999	0.0199	9.9999	0.8311	1.1063	0.0039	0.4957	0.0035	0.4481
173	57.08	0.08	0.0266	9.9999	0.0215	9.9999	0.8071	1.1337	0.0073	0.5075	0.0070	0.4476
174	57.23	0.08	0.0198	9.9999	0.0162	9.9999	0.9171	1.1288	0.0028	0.5061	0.0025	0.4483
175	57.36	0.07	0.0281	9.9999	0.0205	9.9999	0.7283	1.1210	0.0027	0.5026	0.0024	0.4483
176	57.50	0.03	0.0212	9.9999	0.0190	9.9999	0.8944	1.1129	0.0031	0.4995	0.0028	0.4489
177	57.67	0.07	0.0226	9.9999	0.0188	9.9999	0.9301	1.1356	0.0014	0.5094	0.0012	0.4485
178	57.81	0.06	0.0322	9.9999	0.0222	9.9999	0.6885	1.1035	0.0031	0.4955	0.0028	0.4491
179	57.96	0.07	0.0253	9.9999	0.0196	9.9999	0.7732	1.1357	0.0012	0.5132	0.0011	0.4492
180	57.98	0.05	0.0322	9.9999	0.0225	9.9999	0.6979	1.1420	0.0012	0.5120	0.0011	0.4483
181	57.98	0.07	0.0226	9.9999	0.0188	9.9999	0.8301	1.1259	0.0021	0.5051	0.0019	0.4485
182	57.97	0.04	0.0240	9.9999	0.0192	9.9999	0.7984	1.0972	0.0032	0.4945	0.0029	0.4507
183	58.00	0.07	0.0267	9.9999	0.0204	9.9999	0.7627	1.1245	0.0019	0.5031	0.0017	0.4491
184	58.00	0.06	0.0267	9.9999	0.0208	9.9999	0.7778	1.1259	0.0023	0.5067	0.0020	0.4500

PAGE 3 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	168	0.80	1.7	0.0	81W0F13	0.0	0	-10	0	-10	UNKNOWN

POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
185	57.99	0.05	0.0226	9.9999	0.0180	9.9999	0.7946	1.1356	0.0017	0.5106	0.0015	0.4496

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 169 0.90 1.7				0.0	81WOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CN	CLN	CV	CLN	CLL	CA	CAB	CAF	RCP	
1	-5.70	0.00	-1.5847	5.5739	0.0618	-0.2654	-0.0092	0.5282	0.1774	0.3508	-3.5172	
2	-5.70	0.01	-1.5576	5.5687	0.0111	-0.2175	-0.0180	0.5249	0.1766	0.3483	-3.5792	
3	-5.80	0.01	-1.5615	5.5098	0.0216	-0.2609	-0.0116	0.5276	0.1713	0.3563	-3.5283	
4	-4.59	0.01	-1.3314	4.9737	0.1016	-0.2805	-0.0111	0.5021	0.1504	0.3517	-3.7357	
5	-2.91	0.01	-1.1169	4.4193	0.1067	-0.2074	-0.0236	0.4580	0.1256	0.3325	-3.9368	
6	-1.02	0.01	-0.8720	3.8867	0.2149	-0.1554	-0.0106	0.4210	0.1104	0.3107	-4.4575	
7	0.81	0.02	-0.5541	3.0522	0.0673	-0.1827	-0.0165	0.3773	0.1021	0.2752	-5.5085	
8	2.65	0.02	-0.2546	2.1708	0.1214	-0.1895	-0.0161	0.3429	0.0942	0.2486	-8.5253	
9	4.44	0.02	0.0599	1.3246	0.1565	-0.2675	-0.0155	0.3196	0.1005	0.2191	22.1023	
10	6.28	0.01	0.2650	0.9193	-0.0155	-0.1953	-0.0153	0.2978	0.0954	0.2023	3.4686	
11	8.12	0.01	0.3528	0.3426	-0.0746	-0.0622	-0.0148	0.2855	0.1050	0.1806	0.6197	
12	9.90	0.01	0.9178	-0.4953	0.0250	-0.1895	-0.0075	0.2512	0.1143	0.1370	-0.5396	
13	11.77	0.01	1.2387	-1.3515	-0.0284	-0.1847	-0.0072	0.2107	0.1217	0.0690	-1.0911	
14	13.62	0.01	1.7439	-2.5455	-0.0388	-0.1546	-0.0003	0.1549	0.1262	0.0287	-1.4597	
15	15.53	0.01	2.1053	-3.4996	-0.0354	-0.1146	0.0001	0.1381	0.1381	0.0	-1.6623	
16	17.48	0.01	2.5126	-4.2687	-0.0833	-0.0264	0.0135	0.1264	0.1512	-0.0248	-1.6989	
17	19.35	0.01	2.8084	-4.6818	-0.1562	0.0969	0.0206	0.1222	0.1697	-0.0475	-1.6671	
18	21.26	-0.00	3.0843	-4.7942	-0.1666	0.1516	0.0155	0.1390	0.2157	-0.0767	-1.5544	
19	23.17	0.01	3.4107	-4.9611	-0.1371	0.2382	0.0039	0.1335	0.2474	-0.1140	-1.4546	
20	25.03	-0.01	3.7194	-5.0220	-0.3400	0.4753	-0.0144	0.1452	0.2869	-0.1418	-1.3502	
21	26.94	0.02	4.1678	-4.9225	0.0493	-0.0485	-0.0045	0.1271	0.3015	-0.1744	-1.1811	
22	27.96	0.04	4.2842	-4.9025	0.3565	-0.7179	0.0737	0.1320	0.3167	-0.1847	-1.1443	
23	28.08	0.05	4.3169	-4.8986	0.4476	-0.7931	0.0805	0.1408	0.3226	-0.1818	-1.1347	
24	29.46	0.04	4.4216	-4.8666	0.4170	-0.6523	0.0743	0.1179	0.3250	-0.2071	-1.1007	
25	28.77	0.04	4.5190	-4.8787	0.3868	-0.6905	0.0558	0.1177	0.3313	-0.2136	-1.0796	
26	29.05	0.05	4.6395	-4.7217	0.5020	-0.8223	0.0952	0.1182	0.3380	-0.2198	-1.0477	
27	29.36	0.06	4.7365	-4.7047	0.6975	-1.1646	0.1604	0.1301	0.3521	-0.2220	-0.9933	
28	29.64	0.06	4.7359	-4.6235	0.5816	-1.0450	0.1731	0.1402	0.3579	-0.2177	-0.9763	
29	29.92	0.07	4.8063	-4.8022	0.6903	-1.0799	0.1413	0.1353	0.3678	-0.2325	-0.9992	
30	30.19	0.06	4.8615	-4.6096	0.7259	-1.1703	0.1871	0.1541	0.3800	-0.2259	-0.9482	
31	30.45	0.06	4.9703	-4.5177	0.6983	-0.9871	0.1874	0.1649	0.3867	-0.2238	-0.9089	
32	30.74	0.07	5.0777	-4.5224	0.8535	-1.3129	0.2141	0.1663	0.3991	-0.2328	-0.8906	
33	30.99	0.07	5.1228	-4.6166	0.8393	-1.1412	0.1690	0.1364	0.3900	-0.2536	-0.9012	
34	31.28	0.06	5.1910	-4.5257	0.7239	-1.0107	0.1885	0.1614	0.4024	-0.2410	-0.8718	
35	31.56	0.07	5.3804	-4.5142	0.8874	-1.2315	0.2025	0.1569	0.4057	-0.2488	-0.8390	
36	31.83	0.07	5.5154	-4.4261	0.8646	-1.1645	0.1902	0.1353	0.4054	-0.2701	-0.8025	
37	32.10	0.07	5.6376	-4.1453	0.8881	-1.2315	0.1974	0.1327	0.4095	-0.2768	-0.7708	
38	32.35	0.08	5.6620	-4.3639	1.0279	-1.3853	0.2106	0.1464	0.4166	-0.2702	-0.7707	
39	32.63	0.07	5.8599	-4.2673	0.9126	-1.4335	0.2116	0.1379	0.4194	-0.2815	-0.7282	
40	32.88	0.08	5.9037	-4.1912	1.0801	-1.7838	0.2060	0.1387	0.4198	-0.2811	-0.7099	
41	33.12	0.09	5.9454	-4.1773	1.1397	-1.5578	0.2380	0.1496	0.4286	-0.2790	-0.7026	
42	33.38	0.07	6.1123	-4.0850	0.9262	-1.6130	0.1874	0.1173	0.4161	-0.2989	-0.6683	
43	33.62	0.07	6.1451	-3.9858	0.6738	-1.3965	0.2131	0.1336	0.4236	-0.2901	-0.6486	
44	33.88	0.06	6.2732	-4.0334	0.8223	-1.5136	0.1431	0.1155	0.4265	-0.3111	-0.6438	
45	34.13	0.06	6.3999	-3.8064	0.7926	-1.3635	0.1821	0.1139	0.4265	-0.3127	-0.5948	
46	34.37	0.06	6.4522	-3.7816	0.7662	-1.1696	0.1564	0.0959	0.4253	-0.3294	-0.5861	

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6											
7 169 0.90 1.7											
PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
0.0 8100F13 0.0 0 -10 0 -10 UNKNOWN											
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
47	34.62	0.06	6.4987	-3.0770	0.7350	-0.8608	0.1756	0.1187	0.4277	-0.3091	-0.5658
48	34.87	0.04	6.5485	-3.6813	0.5216	-0.7381	0.1563	0.1123	0.4311	-0.3189	-0.5622
49	35.11	0.04	6.6811	-3.5511	0.5303	-0.9818	0.1701	0.1010	0.4286	-0.3277	-0.5315
50	35.33	0.04	6.7010	-3.5947	0.4477	-0.7916	0.1506	0.0966	0.4244	-0.3279	-0.5364
51	35.60	0.04	6.8847	-3.6707	0.4809	-1.1001	0.0810	0.0521	0.4074	-0.3553	-0.5332
52	35.83	0.03	6.9274	-3.5930	0.3759	-0.8334	0.0809	0.0640	0.4124	-0.3484	-0.5167
53	36.04	0.04	6.9627	-3.6180	0.4729	-0.8231	0.0682	0.0545	0.4041	-0.3496	-0.5196
54	36.30	0.03	7.0973	-3.5773	0.2685	-0.4162	0.0104	0.0271	0.3942	-0.3671	-0.5040
55	36.53	0.03	7.1657	-3.5683	0.3468	-0.6582	0.0303	0.0192	0.3996	-0.3804	-0.4980
56	36.76	0.03	7.2726	-3.5973	0.1511	-0.1385	0.0363	0.0020	0.3917	-0.3897	-0.4933
57	37.01	0.01	7.3030	-3.4179	0.0082	-0.0241	-0.0469	0.0082	0.3933	-0.3851	-0.4680
58	37.23	0.03	7.3666	-3.5659	0.1770	-0.1039	0.0689	0.0199	0.3925	-0.3726	-0.4840
59	37.45	0.03	7.5034	-3.4959	0.1241	-0.1341	-0.0011	0.0010	0.3896	-0.3886	-0.4659
60	37.70	0.05	7.4911	-3.4565	0.3403	-0.1550	0.0306	0.0004	0.3951	-0.3947	-0.4614
61	37.93	0.05	7.6567	-3.4607	0.2982	-0.1850	0.0571	-0.0072	0.3908	-0.3990	-0.4520
62	38.16	0.04	7.6552	-3.3678	0.2079	-0.0885	0.0440	-0.0151	0.3962	-0.4113	-0.4659
63	38.40	0.03	7.8003	-3.4579	0.1286	-0.0475	0.0255	-0.0145	0.3958	-0.4103	-0.4433
64	38.62	0.05	7.8592	-3.4119	0.2897	-0.0851	0.0576	-0.0175	0.4016	-0.4191	-0.4341
65	38.81	0.06	7.9287	-3.5569	0.4171	-0.2500	0.0389	-0.0218	0.3950	-0.4168	-0.4486
66	39.05	0.05	7.9588	-3.4865	0.3295	-0.0996	0.0580	-0.0036	0.4108	-0.4144	-0.4381
67	39.27	0.05	8.0813	-3.3515	0.3502	0.0398	0.1094	0.0084	0.4181	-0.4097	-0.4147
68	39.49	0.05	8.1463	-3.3200	0.2983	0.0904	0.0647	-0.0020	0.4169	-0.4189	-0.4075
69	39.74	0.03	8.2292	-3.3069	0.2415	0.3150	0.0835	0.0029	0.4232	-0.4203	-0.4018
70	39.94	0.05	8.3051	-3.3810	0.4620	0.3841	0.0574	0.0113	0.4405	-0.4292	-0.4071
71	40.14	0.02	8.3860	-3.3472	0.0788	0.5949	0.0577	0.0053	0.4290	-0.4237	-0.3991
72	40.34	0.02	8.4011	-3.2798	0.0335	0.7753	0.0508	0.0014	0.4311	-0.4297	-0.3904
73	40.55	0.00	8.5581	-3.1663	-0.0617	0.7738	0.0389	0.0179	0.4518	-0.4339	-0.3706
74	40.77	0.03	8.5555	-3.1803	0.2469	0.7015	0.0450	0.0157	0.4559	-0.4402	-0.3717
75	40.96	0.02	8.5359	-3.0254	0.0	1.4727	0.0298	0.0515	0.4704	-0.4189	-0.3544
76	41.18	0.02	8.6526	-3.2623	0.0795	0.8833	0.0385	-0.0018	0.4528	-0.4546	-0.3770
77	41.43	0.02	8.7215	-3.4066	0.0667	0.8956	0.0257	-0.0246	0.4441	-0.4687	-0.3906
78	41.63	0.00	8.8492	-3.3668	-0.0615	1.3257	0.0377	-0.0168	0.4404	-0.4572	-0.3805
79	41.85	-0.01	8.9350	-3.4110	-0.1934	0.8534	0.0145	-0.0317	0.4465	-0.4782	-0.3818
80	42.06	0.01	9.0236	-3.5437	0.0670	0.8955	0.0267	-0.0659	0.4217	-0.4877	-0.3927
81	42.24	0.01	9.0832	-3.4493	0.0277	1.1971	0.0068	-0.0236	0.4420	-0.4656	-0.3797
82	42.44	0.01	9.1876	-3.5306	0.0217	1.6166	-0.0137	-0.0082	0.4469	-0.4551	-0.3843
83	42.62	0.02	9.3139	-3.6398	0.1405	0.9890	-0.0240	-0.0621	0.4158	-0.4779	-0.3908
84	42.78	-0.01	9.2674	-3.6313	-0.1389	1.1134	-0.0241	-0.0696	0.4113	-0.4810	-0.3918
85	42.97	0.00	9.4222	-3.7986	-0.0188	1.3341	-0.0440	-0.0656	0.4158	-0.4815	-0.4032
86	43.15	-0.01	9.4143	-3.6669	-0.1084	1.4524	-0.0314	-0.0587	0.4192	-0.4779	-0.3895
87	43.35	0.02	9.5364	-3.8349	0.1506	0.6356	-0.0413	-0.1086	0.3984	-0.5070	-0.4021
88	43.51	0.00	9.6111	-3.7541	0.0183	1.2537	-0.0495	-0.1001	0.4224	-0.5225	-0.3906
89	43.69	-0.01	9.7204	-3.5959	-0.0103	0.6723	-0.0533	-0.1372	0.3984	-0.5356	-0.4008
90	43.87	-0.01	9.6674	-3.8573	-0.1215	1.4536	-0.0434	-0.0985	0.4220	-0.5205	-0.3998
91	44.04	0.02	9.8542	-3.9382	0.2357	0.7051	-0.0406	-0.1230	0.4129	-0.5359	-0.3996
92	44.24	-0.03	9.8724	-3.9786	-0.2737	1.1150	-0.0604	-0.1372	0.4106	-0.5472	-0.4030

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH R410-6				PHI CONF		L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 169 0.90 1.7				0.0 81WOF13		0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
93	44.44	-0.01	10.0021	-3.9096	-0.3294	1.9031	-0.0948	-0.1069	0.4087	-0.5156	-0.3909
94	44.60	0.01	9.9963	-3.9669	0.0292	1.1477	-0.0480	-0.1331	0.4029	-0.5360	-0.3968
95	44.81	-0.01	10.1555	-4.0261	-0.2428	1.7299	-0.0874	-0.1283	0.4016	-0.5299	-0.3964
96	44.97	0.00	10.1679	-4.0367	-0.1729	2.0430	-0.0887	-0.1040	0.4170	-0.5210	-0.3970
97	45.16	0.02	10.1883	-4.0809	0.0038	1.4979	-0.0741	-0.1320	0.4078	-0.5398	-0.4005
98	45.33	0.01	10.2439	-4.1220	-0.0210	1.0056	-0.0526	-0.1625	0.3964	-0.5589	-0.4005
99	45.52	-0.01	10.3756	-4.1243	-0.4348	2.5228	-0.1281	-0.0892	0.4350	-0.5243	-0.3975
100	45.69	-0.01	10.3728	-4.1210	-0.4180	2.5874	-0.1284	-0.0859	0.4363	-0.5223	-0.3973
101	45.85	-0.02	10.4830	-4.2470	-0.2834	0.6649	-0.0244	-0.1624	0.3818	-0.5442	-0.4051
102	46.04	0.00	10.5318	-4.1721	-0.1766	1.7070	-0.0929	-0.1330	0.4132	-0.5462	-0.3961
103	46.22	-0.03	10.6726	-4.2769	-0.5180	1.6939	-0.0983	-0.1630	0.4090	-0.5720	-0.4007
104	46.38	0.01	10.7319	-4.2648	-0.2060	2.2071	-0.1070	-0.1293	0.4348	-0.5641	-0.3974
105	46.56	-0.00	10.7275	-4.2589	-0.3641	2.5866	-0.1403	-0.0932	0.4570	-0.5503	-0.3970
106	46.74	-0.02	10.8209	-4.2494	-0.3536	1.4464	-0.0582	-0.1605	0.4073	-0.5678	-0.3927
107	46.91	-0.00	10.8886	-4.2549	-0.1741	1.4956	-0.0714	-0.1738	0.3941	-0.5679	-0.3908
108	47.07	-0.01	10.9092	-4.2829	-0.2076	1.3564	-0.0900	-0.1522	0.3912	-0.5434	-0.3926
109	47.26	-0.00	11.0284	-4.3601	-0.0837	1.3782	-0.0836	-0.1819	0.3973	-0.5792	-0.3954
110	47.44	-0.02	11.1241	-4.3791	-0.2670	1.2747	-0.0568	-0.1827	0.4013	-0.5840	-0.3937
111	47.61	0.01	11.2384	-4.3612	0.0873	1.2646	-0.0441	-0.1765	0.4117	-0.5982	-0.3881
112	47.78	0.00	11.2828	-4.4716	-0.0486	1.8088	-0.0976	-0.1718	0.4134	-0.5052	-0.3963
113	47.95	0.00	11.3305	-4.5209	-0.0208	1.2748	-0.0760	-0.1907	0.4222	-0.6129	-0.3990
114	48.11	0.01	11.4625	-4.4534	0.0567	1.7328	-0.0906	-0.1612	0.4338	-0.5950	-0.3919
115	48.31	-0.02	11.4750	-4.4878	-0.2859	2.2621	-0.1487	-0.1135	0.4616	-0.5751	-0.3911
116	48.45	-0.03	11.5294	-4.4655	-0.3272	1.7229	-0.0946	-0.1560	0.4419	-0.5979	-0.3873
117	48.62	-0.01	11.5087	-4.3408	-0.0094	1.7938	-0.1020	-0.1435	0.4721	-0.6156	-0.3772
118	48.81	-0.02	11.6171	-4.5882	-0.2715	2.2974	-0.1356	-0.0679	0.5362	-0.6041	-0.3950
119	48.96	0.01	11.7024	-4.5778	0.0836	2.0210	-0.1090	-0.0842	0.5006	-0.5548	-0.3912
120	49.15	0.07	11.8463	-4.7038	0.8294	2.1815	-0.1103	-0.0433	0.5512	-0.5945	-0.3971
121	49.32	0.02	11.8855	-4.8378	0.3579	2.0476	-0.0959	-0.0548	0.5645	-0.6193	-0.4070
122	49.53	0.04	12.1532	-5.2191	0.4550	2.3485	-0.1095	-0.0391	0.5707	-0.6098	-0.4294
123	49.69	0.07	12.2456	-5.5110	0.8337	2.0035	-0.0830	-0.0886	0.5616	-0.6502	-0.4500
124	49.89	0.03	12.9002	-6.5821	0.3223	2.6915	-0.1091	-0.1061	0.5592	-0.6652	-0.5102
125	50.07	0.02	12.8252	-6.8708	0.2116	2.9399	-0.1229	-0.0719	0.5573	-0.6292	-0.5357
126	50.26	0.03	12.9186	-6.4734	0.2846	2.7692	-0.1216	-0.0364	0.5704	-0.6268	-0.5011
127	50.43	0.04	13.0629	-6.7070	0.3580	3.1298	-0.1167	-0.0873	0.5767	-0.6640	-0.5134
128	50.59	0.03	12.9930	-6.4144	0.2848	2.7719	-0.0957	-0.0728	0.5834	-0.6562	-0.4937
129	50.76	0.06	13.2164	-6.8734	0.5440	3.3005	-0.1107	-0.0705	0.5872	-0.6577	-0.5201
130	50.94	0.04	13.0915	-6.4186	0.5269	2.7117	-0.0824	-0.0656	0.5820	-0.6476	-0.4903
131	51.08	0.05	13.0694	-6.5106	0.5804	2.9605	-0.0900	-0.0587	0.5855	-0.6442	-0.4982
132	51.26	0.05	13.2397	-6.6251	0.6181	2.6259	-0.0819	-0.0842	0.5896	-0.6733	-0.5004
133	51.51	0.05	14.3345	-8.0244	0.4397	3.2593	-0.0426	-0.0989	0.5984	-0.6973	-0.5598
134	51.65	0.08	13.9359	-7.6699	0.7313	3.0951	-0.0693	-0.0745	0.5998	-0.6744	-0.5504
135	51.83	0.06	14.2453	-8.1707	0.5491	2.4607	-0.0529	-0.1109	0.6032	-0.7141	-0.5736
136	52.02	0.06	14.3825	-8.2365	0.5093	2.7681	-0.0406	-0.1019	0.5977	-0.6996	-0.5727
137	52.16	0.08	14.2067	-8.1485	0.7909	2.9624	-0.0295	-0.0562	0.6002	-0.6564	-0.5736
138	52.36	0.06	14.2964	-8.3063	0.5474	2.7316	-0.0409	-0.1095	0.6013	-0.7108	-0.5810

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6			PHI CONF		L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 169 0.90 1.7			0.0 8180F13		0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CN	CLM	CV	CLN	CLL	CA	CAB	CAF	XCP
139	52.51	0.07	14.3004	-8.2157	0.6200	2.8244	-0.0412	-0.0923	0.6038	-0.6962	-0.5745
140	52.67	0.09	14.3429	-8.4245	0.5291	2.6792	-0.0345	-0.0726	0.6003	-0.6730	-0.5874
141	52.86	0.08	14.4285	-8.6224	0.6764	2.5872	-0.0531	-0.1213	0.5970	-0.7183	-0.5974
142	53.01	0.10	14.3781	-8.5214	0.8527	2.5819	-0.0407	-0.1044	0.5966	-0.7010	-0.5927
143	53.17	0.08	14.3472	-8.3279	0.6170	2.5220	-0.0141	-0.0909	0.5981	-0.6891	-0.5805
144	53.34	0.07	14.5093	-8.4758	0.5636	2.3640	-0.0259	-0.0886	0.6010	-0.6897	-0.5845
145	53.50	0.06	14.3820	-8.2700	0.5864	1.9093	-0.0115	-0.1199	0.6002	-0.7201	-0.5750
146	53.65	0.06	14.3613	-8.3666	0.5091	2.2754	-0.0256	-0.0881	0.5983	-0.6865	-0.5826
147	53.82	0.04	14.4901	-8.4646	0.3521	2.1246	0.0012	-0.1224	0.6041	-0.7265	-0.5842
148	53.97	0.09	14.6455	-8.6500	0.8465	1.9806	0.0013	-0.1064	0.6050	-0.7114	-0.5906
149	54.13	0.06	14.5599	-8.5327	0.7639	1.6452	0.0026	-0.1019	0.6086	-0.7105	-0.5860
150	54.28	0.05	14.5325	-8.4456	0.6295	1.6340	-0.0099	-0.1135	0.6029	-0.7163	-0.5812
151	54.45	0.06	14.5657	-8.3314	0.7593	1.5233	0.0033	-0.0981	0.6090	-0.7071	-0.5720
152	54.60	0.06	14.6218	-8.4820	0.7584	1.5012	0.0034	-0.1380	0.6135	-0.7515	-0.5901
153	54.75	0.06	14.6705	-8.4017	0.7031	1.7540	0.0221	-0.1154	0.6150	-0.7304	-0.5727
154	54.90	0.05	14.7066	-8.5957	0.8112	1.2306	0.0112	-0.1032	0.6217	-0.7249	-0.5845
155	55.07	0.04	14.9302	-8.5170	0.7511	1.3581	0.0305	-0.1086	0.6206	-0.7292	-0.5743
156	55.21	0.05	14.7943	-8.6165	0.7757	1.3314	0.0303	-0.1238	0.6216	-0.7454	-0.5824
157	55.15	0.01	14.7837	-8.4636	0.3566	1.3369	0.0312	-0.1165	0.6245	-0.7410	-0.5725
158	55.52	0.07	14.9160	-8.6017	0.9751	1.2579	0.0434	-0.1303	0.6263	-0.7566	-0.5767
159	55.67	0.01	14.8157	-8.7047	0.3150	1.0538	0.0324	-0.1291	0.6272	-0.7563	-0.5875
160	55.85	0.05	14.9539	-8.6893	0.9335	1.2396	0.0373	-0.1432	0.6224	-0.7656	-0.5811
161	56.01	0.04	15.1138	-8.9353	0.7634	1.3538	0.0311	-0.1581	0.6286	-0.7867	-0.5912
162	56.14	0.02	14.9907	-8.8035	0.5740	1.0866	0.0323	-0.1236	0.6295	-0.7531	-0.5873
163	56.31	0.01	14.9867	-8.5968	0.4653	1.0742	0.0455	-0.1433	0.6279	-0.7712	-0.5736
164	56.46	0.04	15.0569	-8.7761	0.7723	0.9913	0.0453	-0.1481	0.6337	-0.7818	-0.5829
165	56.61	0.02	15.0424	-8.9204	0.5860	1.0728	0.0261	-0.1465	0.6333	-0.7795	-0.5930
166	56.76	0.02	14.9504	-8.6205	0.5583	1.0731	0.0388	-0.1545	0.6349	-0.7894	-0.5766
167	56.91	0.02	15.0819	-8.7932	0.5527	0.9440	0.0332	-0.1795	0.6292	-0.8087	-0.5830
168	57.06	0.01	15.0086	-8.5625	0.4413	0.8781	0.0274	-0.1502	0.6297	-0.7799	-0.5705
169	57.20	-0.01	15.0215	-8.5286	0.2430	0.9831	0.0211	-0.1368	0.6328	-0.7696	-0.5678
170	57.37	0.03	15.1455	-8.3498	0.6942	0.8206	0.0341	-0.2011	0.6377	-0.8388	-0.5513
171	57.50	0.01	15.0706	-7.9157	0.4839	0.6548	0.0226	-0.1855	0.6370	-0.8225	-0.5252
172	57.62	-0.08	14.7475	-7.2058	-0.3314	0.2171	0.0186	-0.2005	0.6193	-0.8128	-0.4886
173	57.80	-0.10	14.9515	-7.2747	-0.4080	-0.7114	0.0138	-0.2123	0.6212	-0.8335	-0.4866
174	57.94	-0.10	14.9253	-7.4347	-0.4536	-0.9801	0.0138	-0.1937	0.6348	-0.8255	-0.4984
175	58.09	-0.11	15.1033	-8.0864	-0.6012	-1.1536	0.0207	-0.1882	0.6442	-0.8324	-0.5354
176	58.22	-0.12	15.1136	-8.0919	-0.6770	-1.2707	-0.0051	-0.2060	0.6418	-0.8478	-0.5354

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 169 0.90 1.7				0.0	81WOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CBI	KCPF1	YCPF1	CNF2	CH2	CBI	KCPF2	YCPF2
1	-5.70	0.00	0.0486	0.0106	0.0286	0.2182	0.5983	-0.7166	-0.0455	-0.2970	0.0635	0.4145
2	-5.70	0.01	0.0555	0.0124	0.0302	0.2239	0.5451	-0.7152	-0.0465	-0.2966	0.0650	0.4148
3	-5.80	0.01	0.0498	0.0112	0.0283	0.2250	0.5681	-0.7037	-0.0474	-0.2949	0.0667	0.4155
4	-4.59	0.01	0.0506	0.0109	0.0243	0.2155	0.4798	-0.6381	-0.0552	-0.2722	0.0865	0.4266
5	-2.81	0.01	0.0439	0.0132	0.0199	0.3008	0.4525	-0.5534	-0.0633	-0.2445	0.1144	0.4418
6	-1.02	0.01	0.0417	0.0133	0.0187	0.3191	0.4475	-0.4737	-0.0682	-0.2255	0.1440	0.4761
7	0.81	0.02	0.0364	0.0117	0.0154	0.3216	0.4217	-0.3493	-0.0626	-0.1710	0.1792	0.4895
8	2.65	0.02	0.0363	0.0099	0.0167	0.2729	0.4588	-0.2002	-0.0464	-0.1012	0.2316	0.5056
9	4.44	0.02	0.0489	0.0119	0.0198	0.2435	0.4042	-0.0802	-0.0244	-0.0459	0.3048	0.5724
10	6.28	0.01	0.0491	0.0094	0.0193	0.1915	0.3923	-0.0047	0.0023	-0.0143	0.4896	0.6309
11	8.12	0.01	0.0536	0.0093	0.0213	0.1736	0.3968	0.0719	0.0313	0.0179	0.4362	0.6487
12	9.90	0.01	0.0557	0.0096	0.0231	0.1728	0.4150	0.1758	0.0561	0.0653	0.3191	0.6713
13	11.77	0.01	0.0661	0.0103	0.0256	0.1561	0.3876	0.2904	0.0794	0.1172	0.2735	0.6036
14	13.62	0.01	0.0637	0.0077	0.0266	0.1211	0.4180	0.4392	0.0974	0.1856	0.2219	0.6225
15	15.53	0.01	0.0745	0.0099	0.0327	0.1331	0.4396	0.5390	0.0872	0.2297	0.1618	0.6262
16	17.48	0.01	0.0923	0.0083	0.0486	0.0971	0.5266	0.6210	0.0773	0.2603	0.1245	0.6191
17	19.35	0.01	0.1086	0.0055	0.0664	0.0507	0.6112	0.6633	0.0596	0.2751	0.0998	0.6148
18	21.26	-0.00	0.1107	0.0046	0.0747	0.0416	0.6748	0.6954	0.0414	0.2824	0.0595	0.6260
19	23.17	0.01	0.0892	0.0005	0.0582	0.0062	0.7264	0.7174	0.0349	0.2849	0.0486	0.5971
20	25.03	-0.01	0.0565	-0.0111	0.0534	-0.1969	0.9463	0.7528	0.0327	0.2954	0.0435	0.5964
21	26.94	0.02	0.1025	0.0111	0.0466	0.1085	0.4546	0.7608	0.0309	0.2984	0.0407	0.5923
22	27.96	0.04	0.2362	0.0376	0.1045	0.1576	0.4388	0.7572	0.0300	0.2930	0.0397	0.5870
23	28.08	0.05	0.1970	0.0284	0.0894	0.1444	0.4537	0.7766	0.0294	0.3021	0.0379	0.5898
24	28.46	0.04	0.2196	0.0314	0.1046	0.1432	0.4765	0.7662	0.0295	0.2956	0.0386	0.5858
25	28.77	0.04	0.2230	0.0332	0.1009	0.1491	0.4525	0.7866	0.0288	0.3039	0.0366	0.5854
26	29.05	0.05	0.2395	0.0354	0.1118	0.1476	0.4665	0.7846	0.0285	0.3009	0.0364	0.5835
27	29.36	0.06	0.2820	0.0392	0.1386	0.1389	0.4915	0.7716	0.0285	0.2945	0.0370	0.5817
28	29.64	0.06	0.3291	0.0490	0.1640	0.1488	0.4982	0.7400	0.0295	0.2812	0.0399	0.5799
29	29.92	0.07	0.3074	0.0454	0.1504	0.1476	0.4893	0.7834	0.0279	0.2997	0.0357	0.5826
30	30.19	0.06	0.3126	0.0459	0.1586	0.1467	0.5075	0.7676	0.0285	0.2937	0.0372	0.5826
31	30.45	0.06	0.3354	0.0527	0.1696	0.1557	0.4982	0.7399	0.0294	0.2830	0.0398	0.5824
32	30.74	0.07	0.3684	0.0543	0.1844	0.1473	0.5004	0.7544	0.0286	0.2891	0.0380	0.5832
33	30.99	0.07	0.3124	0.0456	0.1597	0.1459	0.5111	0.7822	0.0271	0.2994	0.0347	0.5828
34	31.28	0.06	0.2993	0.0437	0.1517	0.1459	0.5070	0.7809	0.0270	0.2982	0.0346	0.5819
35	31.56	0.07	0.3404	0.0525	0.1708	0.1542	0.5217	0.7849	0.0271	0.2995	0.0346	0.5816
36	31.83	0.07	0.3306	0.0503	0.1651	0.1521	0.4993	0.7994	0.0262	0.3064	0.0328	0.5832
37	32.10	0.07	0.3475	0.0527	0.1720	0.1516	0.4950	0.7956	0.0263	0.3022	0.0331	0.5799
38	32.35	0.08	0.3370	0.0522	0.1629	0.1548	0.4833	0.8101	0.0253	0.3080	0.0313	0.5801
39	32.63	0.07	0.3758	0.0582	0.1758	0.1548	0.4678	0.8274	0.0245	0.3146	0.0297	0.5802
40	32.88	0.08	0.3921	0.0612	0.1795	0.1561	0.4579	0.8182	0.0249	0.3095	0.0305	0.5782
41	33.12	0.09	0.4192	0.0662	0.1964	0.1579	0.4685	0.8156	0.0249	0.3083	0.0306	0.5779
42	33.38	0.07	0.3622	0.0587	0.1628	0.1620	0.4493	0.8501	0.0229	0.3211	0.0270	0.5778
43	33.62	0.07	0.3381	0.0563	0.1553	0.1665	0.4594	0.8527	0.0229	0.3226	0.0269	0.5794
44	33.88	0.06	0.3175	0.0508	0.1431	0.1599	0.4507	0.8790	0.0214	0.3347	0.0244	0.5807
45	34.13	0.06	0.3176	0.0517	0.1490	0.1627	0.4692	0.8658	0.0225	0.3293	0.0260	0.5804
46	34.37	0.06	0.3141	0.0502	0.1487	0.1597	0.4735	0.8830	0.0216	0.3357	0.0245	0.5802

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 169 0.90 1.7			0.0	BIKOF13	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	34.62	0.06	0.3068	0.0469	0.1497	0.1528	0.4880	0.8527	0.0230	0.3226	0.0270	0.3784
48	34.87	0.04	0.2900	0.0439	0.1424	0.1513	0.4910	0.8685	0.0223	0.3291	0.0257	0.3790
49	35.11	0.04	0.2828	0.0392	0.1371	0.1385	0.4847	0.9002	0.0208	0.3419	0.0231	0.3798
50	35.33	0.04	0.2957	0.0418	0.1458	0.1412	0.4931	0.8963	0.0211	0.3395	0.0236	0.3776
51	35.60	0.04	0.2343	0.0334	0.1096	0.1428	0.4680	0.9399	0.0194	0.3572	0.0207	0.3800
52	35.83	0.03	0.2169	0.0333	0.0960	0.1538	0.4310	0.9317	0.0199	0.3631	0.0200	0.3915
53	36.04	0.04	0.1601	0.0245	0.0775	0.1532	0.4840	0.9662	0.0187	0.3685	0.0194	0.3814
54	36.30	0.03	0.1940	0.0177	0.0464	0.1704	0.4461	0.9755	0.0187	0.3708	0.0192	0.3801
55	36.53	0.03	0.0950	0.0172	0.0422	0.1813	0.4440	0.9887	0.0185	0.3764	0.0187	0.3807
56	36.76	0.03	0.1322	0.0190	0.0720	0.1439	0.5445	0.9847	0.0186	0.3741	0.0189	0.3799
57	37.01	0.01	-0.0208	0.0044	-0.0282	-0.2117	1.3553	1.0046	0.0178	0.3806	0.0177	0.3788
58	37.23	0.03	0.0767	0.0129	0.0438	0.1685	0.5710	1.0166	0.0170	0.3847	0.0167	0.3784
59	37.45	0.03	0.0907	0.0118	0.0478	0.1303	0.5271	1.0126	0.0174	0.3835	0.0172	0.3787
60	37.70	0.05	0.1118	0.0113	0.0596	0.1012	0.5335	1.0139	0.0171	0.3839	0.0169	0.3786
61	37.93	0.05	0.1326	0.0118	0.0791	0.0891	0.5966	1.0141	0.0172	0.3811	0.0170	0.3758
62	38.16	0.04	0.1099	0.0125	0.0627	0.1139	0.5701	1.0219	0.0168	0.3864	0.0165	0.3781
63	38.40	0.03	0.1216	0.0125	0.0656	0.1029	0.5392	1.0351	0.0159	0.3914	0.0154	0.3781
64	38.62	0.05	0.1185	0.0110	0.0698	0.0930	0.5889	1.0194	0.0167	0.3835	0.0164	0.3762
65	38.81	0.06	0.1211	0.0139	0.0678	0.1149	0.5596	1.0538	0.0148	0.3980	0.0141	0.3777
66	39.05	0.05	0.1428	0.0143	0.0828	0.1033	0.5800	1.0313	0.0158	0.3857	0.0153	0.3769
67	39.27	0.05	0.1502	0.0155	0.0883	0.1033	0.5875	1.0142	0.0161	0.3818	0.0159	0.3766
68	39.49	0.05	0.1149	0.0096	0.0701	0.0837	0.6100	1.0431	0.0146	0.3946	0.0142	0.3783
69	39.74	0.03	0.1088	0.0103	0.0763	0.0948	0.7014	0.9983	0.0159	0.3765	0.0159	0.3772
70	39.94	0.05	0.0948	0.0096	0.0663	0.1014	0.6992	1.0261	0.0148	0.3877	0.0144	0.3778
71	40.14	0.02	0.0824	0.0081	0.0545	0.0985	0.6619	1.0340	0.0143	0.3902	0.0138	0.3774
72	40.34	0.02	0.0602	0.0044	0.0506	0.0733	0.5413	1.0195	0.0149	0.3841	0.0145	0.3767
73	40.55	0.00	0.0423	0.0030	0.0417	0.0710	0.9842	1.0235	0.0143	0.3868	0.0140	0.3779
74	40.77	0.03	0.0320	0.0021	0.0378	0.0657	1.1789	1.0063	0.0150	0.3799	0.0149	0.3775
75	40.96	0.02	-0.0128	-0.0010	0.0171	0.0782	-1.3324	0.9906	0.0151	0.3726	0.0153	0.3762
76	41.18	0.02	0.0379	0.0021	0.0397	0.0554	1.0456	1.0527	0.0132	0.3998	0.0126	0.3798
77	41.43	0.02	0.0147	-0.0016	0.0273	-0.1059	1.8563	1.0713	0.0127	0.4066	0.0119	0.3795
78	41.63	0.00	0.0132	-0.0010	0.0286	-0.0758	2.1660	1.0595	0.0127	0.4012	0.0120	0.3787
79	41.85	-0.01	-0.0030	-0.0029	0.0177	0.9672	-5.8854	1.0911	0.0114	0.4150	0.0105	0.3804
80	42.06	0.01	0.0061	-0.0009	0.0205	-0.1476	3.3550	1.1084	0.0107	0.4209	0.0097	0.3798
81	42.24	0.01	-0.0221	-0.0050	0.0088	0.2264	-0.3995	1.0925	0.0112	0.4144	0.0103	0.3793
82	42.44	0.01	-0.1239	-0.0166	-0.0321	0.1362	0.2593	1.0398	0.0119	0.3920	0.0115	0.3778
83	42.62	0.02	-0.0551	-0.0102	-0.0094	0.1856	0.1715	1.1099	0.0100	0.4196	0.0090	0.3781
84	42.78	-0.01	-0.0381	-0.0103	-0.0017	0.2705	0.0448	1.1481	0.0088	0.4362	0.0077	0.3799
85	42.97	0.00	-0.1415	-0.0227	-0.0411	0.1606	0.2902	1.0955	0.0101	0.4124	0.0092	0.3764
86	43.15	-0.01	-0.1142	-0.0204	-0.0303	0.1789	0.2655	1.1099	0.0101	0.4189	0.0091	0.3774
87	43.35	0.02	-0.0806	-0.0137	-0.0230	0.1703	0.2854	1.1590	0.0083	0.4375	0.0072	0.3775
88	43.51	0.00	-0.0879	-0.0139	-0.0297	0.1584	0.3382	1.1589	0.0078	0.4393	0.0067	0.3791
89	43.69	-0.01	-0.0470	-0.0066	-0.0215	0.1405	0.4568	1.1854	0.0070	0.4488	0.0059	0.3788
90	43.87	-0.01	-0.0857	-0.0137	-0.0285	0.1601	0.3328	1.1747	0.0072	0.4465	0.0061	0.3801
91	44.04	0.02	-0.1129	-0.0167	-0.0390	0.1491	0.3451	1.1721	0.0071	0.4446	0.0061	0.3793
92	44.24	-0.03	-0.0723	-0.0085	-0.0300	0.1178	0.4155	1.1934	0.0063	0.4507	0.0053	0.3777

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RK10-6												
7 1e9 0.90 1.7 0.0 B1WOF13 0.0 0 -10 0 -10 UNKNOWN												
POINT	ALPHA	BETA	CNF1	CHI	CBI	KCPF1	YCPF1	CNF2	CH2	CBI2	KCPF2	YCPF2
93	44.44	-0.01	-0.1530	-0.0240	-0.0646	0.1570	0.4219	1.1723	0.0068	0.4418	0.0058	0.3769
94	44.60	0.01	-0.1193	-0.0193	-0.0431	0.1620	0.3611	1.1789	0.0066	0.4453	0.0056	0.3778
95	44.81	-0.01	-0.2193	-0.0365	-0.0857	0.1662	0.3906	1.1645	0.0063	0.4381	0.0054	0.3762
96	44.97	0.00	-0.1762	-0.0266	-0.0709	0.1512	0.4024	1.1633	0.0068	0.4356	0.0059	0.3745
97	45.16	0.02	-0.0839	-0.0127	-0.0318	0.1516	0.3795	1.1950	0.0053	0.4456	0.0044	0.3754
98	45.33	0.01	-0.0945	-0.0167	-0.0335	0.1770	0.3549	1.2113	0.0047	0.4562	0.0039	0.3766
99	45.52	-0.01	-0.2277	-0.0377	-0.0948	0.1654	0.4163	1.1731	0.0059	0.4374	0.0050	0.3729
100	45.69	-0.01	-0.2365	-0.0374	-0.0937	0.1579	0.3961	1.1743	0.0058	0.4396	0.0049	0.3744
101	45.85	-0.02	0.0072	0.0038	0.0060	0.5281	0.8360	1.2379	0.0037	0.4647	0.0030	0.3754
102	46.04	0.00	-0.2111	-0.0349	-0.0810	0.1651	0.3839	1.2028	0.0047	0.4484	0.0039	0.3728
103	46.22	-0.03	-0.1951	-0.0156	-0.0440	0.1487	0.4185	1.2372	0.0035	0.4621	0.0028	0.3735
104	46.38	0.01	-0.2452	-0.0393	-0.0942	0.1601	0.3841	1.1976	0.0045	0.4449	0.0038	0.3715
105	46.56	-0.00	-0.2401	-0.0396	-0.0956	0.1647	0.3981	1.2109	0.0039	0.4499	0.0032	0.3716
106	46.74	-0.02	-0.0973	-0.0153	-0.0330	0.1575	0.3396	1.2387	0.0032	0.4611	0.0026	0.3722
107	46.91	-0.00	-0.2030	-0.0335	-0.0793	0.1653	0.3908	1.2163	0.0037	0.4498	0.0030	0.3698
108	47.07	-0.01	-0.1769	-0.0299	-0.0758	0.1693	0.4286	1.2388	0.0026	0.4596	0.0021	0.3710
109	47.26	-0.00	-0.1594	-0.0279	-0.0641	0.1752	0.4018	1.2454	0.0023	0.4625	0.0018	0.3714
110	47.44	-0.02	-0.1255	-0.0220	-0.0515	0.1755	0.4104	1.2512	0.0022	0.4651	0.0018	0.3717
111	47.61	0.01	-0.0864	-0.0141	-0.0266	0.1635	0.3081	1.2646	0.0015	0.4701	0.0012	0.3717
112	47.78	0.00	-0.2138	-0.0383	-0.0875	0.1789	0.4091	1.2396	0.0021	0.4571	0.0017	0.3687
113	47.95	0.00	-0.1058	-0.0173	-0.0470	0.1638	0.4442	1.2713	0.0011	0.4730	0.0009	0.3721
114	48.11	0.01	-0.1463	-0.0257	-0.0574	0.1759	0.3925	1.2661	0.0008	0.4691	0.0006	0.3705
115	48.31	-0.02	-0.2310	-0.0463	-0.0976	0.2003	0.4225	1.2185	0.0009	0.4494	0.0007	0.3688
116	48.45	-0.03	-0.1770	-0.0329	-0.0758	0.1862	0.4284	1.2503	0.0009	0.4608	0.0007	0.3685
117	48.62	-0.01	-0.1627	-0.0343	-0.0724	0.2111	0.4448	1.2425	0.0	0.4568	0.0	0.3676
118	48.81	-0.02	-0.1944	-0.0424	-0.0865	0.2179	0.4448	1.2258	-0.0006	0.4507	-0.0003	0.3677
119	48.96	0.01	-0.1726	-0.0373	-0.0797	0.2159	0.4620	1.2285	-0.0004	0.4505	-0.0003	0.3667
120	49.15	0.07	-0.1744	-0.0378	-0.0811	0.2165	0.4653	1.2370	-0.0005	0.4553	-0.0004	0.3680
121	49.32	0.02	-0.1282	-0.0321	-0.0600	0.2507	0.4683	1.2305	-0.0019	0.4521	-0.0015	0.3674
122	49.53	0.04	-0.2182	-0.0370	-0.0905	0.1694	0.4146	1.2263	-0.0002	0.4511	-0.0002	0.3679
123	49.69	0.07	-0.1505	-0.0309	-0.0594	0.2056	0.3949	1.2491	-0.0022	0.4592	-0.0016	0.3676
124	49.89	0.03	-0.1615	-0.0330	-0.0657	0.2046	0.4065	1.2665	-0.0029	0.4651	-0.0023	0.3673
125	50.07	0.02	-0.1964	-0.0364	-0.0900	0.1851	0.4075	1.2459	-0.0021	0.4544	-0.0017	0.3647
126	50.26	0.03	-0.1854	-0.0352	-0.0736	0.1896	0.3971	1.2406	-0.0026	0.4534	-0.0021	0.3654
127	50.43	0.04	-0.2086	-0.0365	-0.0824	0.1748	0.3952	1.2491	-0.0025	0.4552	-0.0020	0.3644
128	50.59	0.03	-0.1641	-0.0266	-0.0671	0.1623	0.4086	1.2451	-0.0031	0.4546	-0.0025	0.3651
129	50.76	0.06	-0.1644	-0.0298	-0.0639	0.1815	0.3803	1.2651	-0.0037	0.4624	-0.0029	0.3655
130	50.94	0.04	-0.1591	-0.0239	-0.0598	0.1498	0.3760	1.2484	-0.0028	0.4545	-0.0022	0.3640
131	51.08	0.05	-0.1522	-0.0243	-0.0573	0.1598	0.3766	1.2536	-0.0037	0.4579	-0.0030	0.3652
132	51.26	0.05	-0.1063	-0.0175	-0.0428	0.1649	0.4024	1.2658	-0.0048	0.4621	-0.0038	0.3651
133	51.51	0.05	-0.1201	-0.0089	-0.0519	0.0742	0.4322	1.2515	-0.0020	0.4542	-0.0016	0.3629
134	51.65	0.08	-0.1659	-0.0156	-0.0667	0.0942	0.4020	1.2494	-0.0020	0.4534	-0.0016	0.3628
135	51.83	0.06	-0.0416	-0.0019	-0.0129	0.0457	0.3087	1.2972	-0.0051	0.4737	-0.0039	0.3652
136	52.02	0.06	-0.1173	-0.0064	-0.0455	0.0546	0.3878	1.2552	-0.0025	0.4562	-0.0020	0.3634
137	52.16	0.08	-0.0849	-0.0028	-0.0305	0.0330	0.3596	1.2673	-0.0042	0.4622	-0.0033	0.3647
138	52.36	0.06	-0.0863	-0.0063	-0.0280	0.0731	0.3247	1.2804	-0.0049	0.4656	-0.0038	0.3637

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 169 0.90 1.7				0.0	81WOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	RETA	CNF1	CHI	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
139	52.51	0.07	-0.0821	-0.0045	-0.0245	0.0549	0.2985	1.2857	-0.0049	0.4666	-0.0038	0.3629
140	52.67	0.09	-0.0665	-0.0050	-0.0155	0.0753	0.2327	1.3204	-0.0074	0.4827	-0.0056	0.3656
141	52.86	0.08	-0.0736	-0.0082	-0.0231	0.1116	0.3139	1.3358	-0.0086	0.4873	-0.0064	0.3648
142	53.01	0.10	-0.0692	-0.0053	-0.0147	0.0767	0.2120	1.3159	-0.0077	0.4792	-0.0059	0.3641
143	53.17	0.08	-0.0489	-0.0034	-0.0051	0.0696	0.1046	1.3165	-0.0080	0.4781	-0.0061	0.3631
144	53.34	0.07	-0.0532	-0.0011	-0.0021	0.0207	0.0396	1.3111	-0.0075	0.4772	-0.0057	0.3639
145	53.50	0.06	-0.0308	0.0013	0.0076	-0.0422	-0.2475	1.3098	-0.0073	0.4764	-0.0056	0.3637
146	53.65	0.06	-0.0411	0.0001	0.0050	-0.0024	-0.1220	1.3209	-0.0085	0.4802	-0.0064	0.3635
147	53.82	0.04	-0.0358	0.0030	0.0084	-0.0838	-0.2354	1.3163	-0.0087	0.4786	-0.0066	0.3630
148	53.97	0.09	-0.0414	0.0034	0.0121	-0.0822	-0.2932	1.3222	-0.0085	0.4802	-0.0064	0.3632
149	54.13	0.06	-0.0085	0.0075	0.0238	-0.8828	-2.7972	1.3391	-0.0100	0.4670	-0.0075	0.3637
150	54.28	0.05	-0.0092	0.0055	0.0284	-0.5951	-3.0859	1.3339	-0.0100	0.4643	-0.0075	0.3631
151	54.45	0.06	-0.0176	0.0067	0.0276	-0.3809	-1.5675	1.3208	-0.0091	0.4779	-0.0069	0.3618
152	54.60	0.06	-0.0420	0.0020	0.0159	-0.0476	-0.3774	1.3366	-0.0102	0.4748	-0.0076	0.3627
153	54.75	0.06	-0.0106	0.0100	0.0344	-0.9439	-3.2462	1.3185	-0.0095	0.4742	-0.0072	0.3634
154	54.90	0.05	-0.0197	0.0084	0.0316	-0.4266	-1.6041	1.3343	-0.0102	0.4850	-0.0077	0.3635
155	55.07	0.04	-0.0225	0.0080	0.0338	-0.3557	-1.5026	1.3362	-0.0100	0.4857	-0.0075	0.3635
156	55.21	0.05	-0.0225	0.0085	0.0338	-0.3780	-1.5026	1.3379	-0.0101	0.4859	-0.0076	0.3639
157	55.35	0.01	-0.0259	0.0102	0.0386	-0.3940	-1.4874	1.3287	-0.0096	0.4832	-0.0072	0.3636
158	55.52	0.07	-0.0252	0.0082	0.0350	-0.3256	-1.3894	1.3301	-0.0101	0.4829	-0.0076	0.3630
159	55.67	0.01	-0.0082	0.0100	0.0415	-1.2202	-5.0527	1.3475	-0.0110	0.4905	-0.0082	0.3640
160	55.85	0.05	-0.0342	0.0101	0.0307	-0.2955	-0.8976	1.3390	-0.0098	0.4855	-0.0073	0.3626
161	56.01	0.04	-0.0224	0.0091	0.0328	-0.4065	-1.4645	1.3547	-0.0115	0.4943	-0.0085	0.3649
162	56.14	0.02	-0.0213	0.0096	0.0336	-0.4509	-1.5778	1.3469	-0.0114	0.4904	-0.0085	0.3641
163	56.31	0.01	-0.0137	0.0095	0.0387	-0.6936	-2.8192	1.3456	-0.0113	0.4893	-0.0084	0.3636
164	56.46	0.04	-0.0145	0.0091	0.0361	-0.6279	-2.4907	1.3575	-0.0120	0.4938	-0.0089	0.3638
165	56.61	0.02	-0.0312	0.0073	0.0289	-0.2341	-0.9260	1.3474	-0.0120	0.4830	-0.0089	0.3629
166	56.76	0.02	-0.0326	0.0071	0.0302	-0.2179	-0.9263	1.3555	-0.0120	0.4930	-0.0089	0.3637
167	56.91	0.02	-0.0179	0.0101	0.0349	-0.5645	-1.9504	1.3549	-0.0124	0.4928	-0.0092	0.3637
168	57.06	0.01	-0.0231	0.0091	0.0373	-0.3941	-1.6112	1.3471	-0.0119	0.4893	-0.0088	0.3632
169	57.20	-0.01	-0.0139	0.0094	0.0399	-0.6766	-2.7453	1.3737	-0.0137	0.5039	-0.0101	0.3646
170	57.37	0.03	-0.0305	0.0084	0.0380	-0.2756	-1.2433	1.3711	-0.0136	0.4986	-0.0099	0.3637
171	57.50	0.01	-0.0346	0.0077	0.0411	-0.2227	-1.1859	1.3606	-0.0132	0.4945	-0.0097	0.3635
172	57.62	-0.08	-0.0333	0.0092	0.0399	-0.2764	-1.1960	1.3607	-0.0136	0.4945	-0.0100	0.3634
173	57.80	-0.10	-0.0301	0.0106	0.0416	-0.3523	-1.3798	1.3734	-0.0144	0.5004	-0.0105	0.3644
174	57.94	-0.10	-0.0386	0.0092	0.0357	-0.2385	-0.9252	1.3797	-0.0141	0.5029	-0.0102	0.3647
175	58.09	-0.11	-0.0441	0.0081	0.0332	-0.1838	-0.7530	1.3616	-0.0129	0.4952	-0.0095	0.3637
176	58.22	-0.12	-0.0472	0.0052	0.0314	-0.1102	-0.6653	1.3733	-0.0135	0.5004	-0.0098	0.3644

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CNFF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 169 0.90 1.7				0.0	B1W0F13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.70	0.00	-0.0139	9.9999	0.0232	9.9999	-1.6672	-0.7457	-0.0400	-0.3175	0.0536	0.4258
2	-5.70	0.01	-0.0104	9.9999	0.0246	9.9999	-2.3633	-0.7482	-0.0405	-0.3186	0.0541	0.4258
3	-5.80	0.01	-0.0056	9.9999	0.0265	9.9999	-4.7294	-0.7367	-0.0419	-0.3141	0.0568	0.4264
4	-4.59	0.01	-0.0116	9.9999	0.0246	9.9999	-2.1188	-0.6755	-0.0508	-0.2875	0.0752	0.4256
5	-2.81	0.01	-0.0066	9.9999	0.0242	9.9999	-3.6632	-0.6031	-0.0608	-0.2635	0.1008	0.4368
6	-1.02	0.01	-0.0055	9.9999	0.0252	9.9999	-4.5787	-0.5108	-0.0621	-0.2399	0.1216	0.4522
7	0.81	0.02	-0.0044	9.9999	0.0269	9.9999	-6.1104	-0.3875	-0.0608	-0.1778	0.1569	0.4590
8	2.65	0.02	-0.0045	9.9999	0.0281	9.9999	-6.2421	-0.2391	-0.0413	-0.1079	0.1725	0.4514
9	4.44	0.02	-0.0010	9.9999	0.0312	9.9999	-31.1995	-0.1164	-0.0235	-0.0525	0.2022	0.4511
10	6.28	0.01	-0.0071	9.9999	0.0305	9.9999	-4.2954	-0.0281	0.0046	-0.0196	-0.1638	0.6962
11	8.12	0.01	-0.0119	9.9999	0.0293	9.9999	-2.4615	0.0551	0.0321	0.0171	0.5839	0.3101
12	9.90	0.01	-0.0157	9.9999	0.0310	9.9999	-1.9745	0.1632	0.0563	0.0646	0.3570	0.3955
13	11.77	0.01	0.0064	9.9999	0.0309	9.9999	4.3279	0.2741	0.0813	0.1150	0.2966	0.4194
14	13.62	0.01	0.0235	9.9999	0.0315	9.9999	1.3404	0.4184	0.1004	0.1670	0.2401	0.4469
15	15.53	0.01	0.0233	9.9999	0.0343	9.9999	1.4725	0.5342	0.0887	0.2394	0.1661	0.4462
16	17.48	0.01	0.0176	9.9999	0.0289	9.9999	1.6416	0.5960	0.0706	0.2669	0.1185	0.4478
17	19.35	0.01	0.0128	9.9999	0.0265	9.9999	2.0691	0.6197	0.0520	0.2791	0.0839	0.4503
18	21.26	-0.00	0.0142	9.9999	0.0240	9.9999	1.6885	0.6129	0.0444	0.2755	0.0724	0.4496
19	23.17	0.01	0.0264	9.9999	0.0256	9.9999	0.9690	0.6357	0.0388	0.2563	0.0610	0.4503
20	25.03	-0.01	0.0147	9.9999	0.0183	9.9999	1.2421	0.6284	0.0358	0.2875	0.0569	0.4575
21	26.94	0.02	0.0241	9.9999	0.0236	9.9999	0.9782	0.6773	0.0331	0.3144	0.0489	0.4642
22	27.96	0.04	0.0385	9.9999	0.0295	9.9999	0.7661	0.6939	0.0332	0.3233	0.0479	0.4689
23	28.08	0.05	0.0387	9.9999	0.0279	9.9999	0.7206	0.6854	0.0331	0.3230	0.0484	0.4713
24	28.46	0.04	0.0493	9.9999	0.0336	9.9999	0.6817	0.6925	0.0328	0.3277	0.0474	0.4733
25	28.77	0.04	0.0542	9.9999	0.0358	9.9999	0.6608	0.6981	0.0323	0.3336	0.0463	0.4778
26	29.05	0.05	0.0435	9.9999	0.0315	9.9999	0.7241	0.6949	0.0325	0.3336	0.0468	0.4800
27	29.36	0.06	0.0508	9.9999	0.0331	9.9999	0.6517	0.6893	0.0329	0.3333	0.0478	0.4835
28	29.64	0.06	0.0507	9.9999	0.0344	9.9999	0.6787	0.7008	0.0320	0.3403	0.0457	0.4854
29	29.92	0.07	0.0506	9.9999	0.0350	9.9999	0.6919	0.7064	0.0318	0.3422	0.0451	0.4844
30	30.19	0.06	0.0531	9.9999	0.0362	9.9999	0.6820	0.6866	0.0324	0.3337	0.0473	0.4860
31	30.45	0.06	0.0472	9.9999	0.0330	9.9999	0.6993	0.6992	0.0322	0.3337	0.0461	0.4858
32	30.74	0.07	0.0592	9.9999	0.0395	9.9999	0.6671	0.7149	0.0311	0.3454	0.0436	0.4832
33	30.99	0.07	0.0529	9.9999	0.0352	9.9999	0.6772	0.7165	0.0306	0.3472	0.0426	0.4846
34	31.28	0.06	0.0459	9.9999	0.0332	9.9999	0.7234	0.7306	0.0299	0.3539	0.0410	0.4845
35	31.56	0.07	0.0604	9.9999	0.0392	9.9999	0.6488	0.7334	0.0300	0.3552	0.0410	0.4843
36	31.83	0.07	0.0448	9.9999	0.0316	9.9999	0.7054	0.7293	0.0299	0.3539	0.0411	0.4854
37	32.10	0.07	0.0543	9.9999	0.0370	9.9999	0.6799	0.7349	0.0296	0.3563	0.0403	0.4848
38	32.35	0.08	0.0556	9.9999	0.0374	9.9999	0.6724	0.7532	0.0288	0.3645	0.0393	0.4839
39	32.63	0.07	0.0640	9.9999	0.0413	9.9999	0.6453	0.7504	0.0290	0.3644	0.0387	0.4856
40	32.88	0.08	0.0604	9.9999	0.0399	9.9999	0.6605	0.7477	0.0289	0.3639	0.0387	0.4867
41	33.12	0.09	0.0555	9.9999	0.0390	9.9999	0.7026	0.7534	0.0287	0.3666	0.0381	0.4866
42	33.38	0.07	0.0530	9.9999	0.0382	9.9999	0.7193	0.7619	0.0282	0.3703	0.0371	0.4860
43	33.62	0.07	0.0505	9.9999	0.0377	9.9999	0.7450	0.7577	0.0282	0.3691	0.0373	0.4872
44	33.88	0.06	0.0554	9.9999	0.0405	9.9999	0.7311	0.7493	0.0284	0.3653	0.0360	0.4875
45	34.13	0.06	0.0554	9.9999	0.0402	9.9999	0.7256	0.7592	0.0278	0.3695	0.0367	0.4867
46	34.37	0.06	0.0421	9.9999	0.0343	9.9999	0.8150	0.7761	0.0272	0.3771	0.0351	0.4859

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 169 0.90 1.7			0.0	B1WDF13	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	KCPF3	YCPF3	CNF4	CH4	CB4	KCPF4	YCPF4
47	34.62	0.06	0.0409	9.9999	0.0342	9.9999	0.9364	0.7874	0.0265	0.3811	0.0337	0.4839
48	34.87	0.04	0.0300	9.9999	0.0302	9.9999	1.0065	0.7859	0.0268	0.3807	0.0341	0.4844
49	35.11	0.04	0.0384	9.9999	0.0338	9.9999	0.8804	0.7861	0.0265	0.3807	0.0338	0.4842
50	35.33	0.04	0.0360	9.9999	0.0330	9.9999	0.9168	0.8029	0.0260	0.3882	0.0324	0.4835
51	35.60	0.04	0.0336	9.9999	0.0319	9.9999	0.9495	0.7960	0.0260	0.3852	0.0327	0.4839
52	35.83	0.03	0.0344	9.9999	0.0330	9.9999	0.9484	0.8059	0.0254	0.3890	0.0316	0.4827
53	36.04	0.04	0.0347	9.9999	0.0336	9.9999	0.9685	0.8184	0.0252	0.3930	0.0308	0.4802
54	36.30	0.03	0.0323	9.9999	0.0332	9.9999	1.0280	0.8311	0.0247	0.3983	0.0298	0.4793
55	36.53	0.03	0.0311	9.9999	0.0331	9.9999	1.0645	0.8325	0.0247	0.3994	0.0297	0.4786
56	36.76	0.03	0.0286	9.9999	0.0324	9.9999	1.1400	0.8537	0.0235	0.4076	0.0275	0.4774
57	37.01	0.01	0.0299	9.9999	0.0327	9.9999	1.0938	0.8355	0.0241	0.4002	0.0269	0.4791
58	37.23	0.03	0.0311	9.9999	0.0325	9.9999	1.0451	0.8594	0.0230	0.4088	0.0268	0.4757
59	37.45	0.03	0.0334	9.9999	0.0345	9.9999	1.0332	0.8566	0.0233	0.4084	0.0272	0.4767
60	37.70	0.05	0.0310	9.9999	0.0337	9.9999	1.0871	0.8552	0.0233	0.4076	0.0273	0.4766
61	37.93	0.05	0.0274	9.9999	0.0319	9.9999	1.1643	0.8721	0.0225	0.4142	0.0258	0.4749
62	38.16	0.04	0.0263	9.9999	0.0309	9.9999	1.1748	0.8803	0.0225	0.4163	0.0256	0.4729
63	38.40	0.03	0.0311	9.9999	0.0321	9.9999	1.0322	0.8846	0.0224	0.4198	0.0254	0.4746
64	38.62	0.05	0.0287	9.9999	0.0317	9.9999	1.1046	0.8833	0.0220	0.4187	0.0249	0.4740
65	38.81	0.06	0.0335	9.9999	0.0332	9.9999	0.9912	0.9043	0.0215	0.4268	0.0238	0.4720
66	39.05	0.05	0.0287	9.9999	0.0310	9.9999	1.0801	0.8888	0.0221	0.4200	0.0249	0.4726
67	39.27	0.05	0.0311	9.9999	0.0325	9.9999	1.0451	0.8901	0.0222	0.4201	0.0250	0.4720
68	39.49	0.05	0.0312	9.9999	0.0312	9.9999	1.0000	0.9015	0.0215	0.4254	0.0239	0.4719
69	39.74	0.03	0.0227	9.9999	0.0285	9.9999	1.2551	0.8875	0.0217	0.4186	0.0245	0.4717
70	39.94	0.05	0.0276	9.9999	0.0300	9.9999	1.0868	0.9015	0.0213	0.4240	0.0237	0.4704
71	40.14	0.02	0.0190	9.9999	0.0283	9.9999	1.4890	0.9112	0.0214	0.4289	0.0235	0.4700
72	40.34	0.02	0.0167	9.9999	0.0263	9.9999	1.5739	0.9140	0.0211	0.4284	0.0231	0.4686
73	40.55	0.00	0.0119	9.9999	0.0238	9.9999	1.9980	0.9099	0.0211	0.4257	0.0232	0.4679
74	40.77	0.03	0.0240	9.9999	0.0276	9.9999	1.1495	0.9183	0.0206	0.4276	0.0225	0.4656
75	40.96	0.02	0.0035	9.9999	0.0204	9.9999	5.8186	0.9002	0.0207	0.4178	0.0230	0.4641
76	41.18	0.02	0.0084	9.9999	0.0211	9.9999	2.5080	0.9408	0.0198	0.4356	0.0211	0.4630
77	41.43	0.02	0.0157	9.9999	0.0237	9.9999	1.5080	0.9490	0.0200	0.4374	0.0211	0.4609
78	41.63	0.00	0.0023	9.9999	0.0194	9.9999	8.4182	0.9602	0.0195	0.4399	0.0203	0.4581
79	41.85	-0.01	0.0145	9.9999	0.0230	9.9999	1.5844	0.9799	0.0185	0.4462	0.0189	0.4554
80	42.06	0.01	0.0096	9.9999	0.0214	9.9999	2.2253	0.9855	0.0185	0.4485	0.0188	0.4551
81	42.24	0.01	0.0145	9.9999	0.0233	9.9999	1.6051	0.9924	0.0184	0.4485	0.0186	0.4520
82	42.44	0.01	0.0036	9.9999	0.0186	9.9999	5.1553	0.9662	0.0179	0.4384	0.0186	0.4537
83	42.62	0.02	0.0241	9.9999	0.0276	9.9999	1.1447	0.9969	0.0175	0.4518	0.0176	0.4532
84	42.78	-0.01	0.0108	9.9999	0.0228	9.9999	2.1086	1.0137	0.0171	0.4577	0.0169	0.4515
85	42.97	0.00	0.0156	9.9999	0.0240	9.9999	1.5370	1.0014	0.0166	0.4523	0.0166	0.4516
86	43.15	-0.01	0.0120	9.9999	0.0225	9.9999	1.8726	1.0111	0.0166	0.4562	0.0164	0.4512
87	43.35	0.02	0.0241	9.9999	0.0276	9.9999	1.1447	1.0308	0.0157	0.4646	0.0153	0.4507
88	43.51	0.00	0.0060	9.9999	0.0203	9.9999	3.3774	1.0282	0.0155	0.4644	0.0151	0.4516
89	43.69	-0.01	0.0264	9.9999	0.0290	9.9999	1.0982	1.0395	0.0149	0.4690	0.0144	0.4512
90	43.87	-0.01	0.0120	9.9999	0.0225	9.9999	1.8726	1.0494	0.0146	0.4728	0.0139	0.4506
91	44.04	0.02	0.0181	9.9999	0.0244	9.9999	1.3468	1.0466	0.0146	0.4720	0.0140	0.4510
92	44.24	-0.03	0.0143	9.9999	0.0249	9.9999	1.7398	1.0496	0.0139	0.4728	0.0133	0.4505

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7			169.0	90.1	7	0.0	BLWOF13	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4	
93	44.44	-0.01	0.0143	9.9999	0.0258	9.9999	1.8030	1.0552	0.0138	0.4744	0.0131	0.4498	
94	44.60	0.01	0.0108	9.9999	0.0218	9.9999	2.0157	1.0596	0.0133	0.4767	0.0126	0.4499	
95	44.81	-0.01	0.0048	9.9999	0.0202	9.9999	4.2009	1.0554	0.0133	0.4751	0.0126	0.4502	
96	44.97	0.00	0.0071	9.9999	0.0216	9.9999	3.0379	1.0569	0.0129	0.4751	0.0122	0.4498	
97	45.16	0.02	0.0192	9.9999	0.0261	9.9999	1.3585	1.0639	0.0129	0.4796	0.0121	0.4508	
98	45.33	0.01	0.0168	9.9999	0.0260	9.9999	1.5466	1.0738	0.0129	0.4838	0.0120	0.4505	
99	45.52	-0.01	0.0012	9.9999	0.0185	9.9999	15.3824	1.0616	0.0121	0.4780	0.0114	0.4502	
100	45.69	-0.01	0.0036	9.9999	0.0199	9.9999	5.5176	1.0685	0.0120	0.4797	0.0112	0.4489	
101	45.85	-0.02	0.0168	9.9999	0.0254	9.9999	1.5108	1.0812	0.0118	0.4878	0.0109	0.4512	
102	46.04	0.00	0.0109	9.9999	0.0216	9.9999	1.9788	1.0829	0.0115	0.4868	0.0106	0.4495	
103	46.22	-0.03	0.0036	9.9999	0.0198	9.9999	5.4340	1.0872	0.0111	0.4894	0.0102	0.4502	
104	46.38	0.01	0.0001	9.9999	0.0162	9.9999	161.5151	1.0735	0.0108	0.4843	0.0101	0.4511	
105	46.56	-0.00	0.0060	9.9999	0.0139	9.9999	-2.3074	1.0721	0.0107	0.4838	0.0100	0.4513	
106	46.74	-0.02	0.0180	9.9999	0.0264	9.9999	1.4658	1.0875	0.0105	0.4907	0.0097	0.4512	
107	46.91	-0.00	0.0109	9.9999	0.0222	9.9999	2.0340	1.0848	0.0102	0.4892	0.0094	0.4510	
108	47.07	-0.01	0.0157	9.9999	0.0244	9.9999	1.5527	1.0862	0.0102	0.4896	0.0094	0.4508	
109	47.26	-0.00	0.0120	9.9999	0.0232	9.9999	1.9312	1.0975	0.0097	0.4942	0.0089	0.4503	
110	47.44	-0.02	0.0168	9.9999	0.0258	9.9999	1.5347	1.0908	0.0097	0.4918	0.0089	0.4509	
111	47.61	0.01	0.0216	9.9999	0.0286	9.9999	1.3237	1.1345	0.0082	0.5100	0.0072	0.4495	
112	47.78	0.00	0.0048	9.9999	0.0197	9.9999	4.0964	1.0857	0.0084	0.4891	0.0077	0.4505	
113	47.95	0.00	0.0170	9.9999	0.0242	9.9999	1.4222	1.1009	0.0091	0.4960	0.0083	0.4506	
114	48.11	0.01	0.0156	9.9999	0.0251	9.9999	1.6077	1.0941	0.0085	0.4932	0.0078	0.4508	
115	48.31	-0.02	0.0145	9.9999	0.0234	9.9999	1.6120	1.0380	0.0091	0.4693	0.0068	0.4521	
116	48.45	-0.03	0.0133	9.9999	0.0224	9.9999	1.6821	1.0871	0.0083	0.4891	0.0076	0.4499	
117	48.62	-0.01	0.0074	9.9999	0.0185	9.9999	2.4444	1.0477	0.0095	0.4742	0.0091	0.4527	
118	48.81	-0.02	0.0098	9.9999	0.0206	9.9999	2.0985	1.0240	0.0094	0.4631	0.0092	0.4522	
119	48.96	0.01	0.0098	9.9999	0.0200	9.9999	2.0371	1.0481	0.0088	0.4734	0.0084	0.4517	
120	49.15	0.07	0.0170	9.9999	0.0238	9.9999	1.3386	1.0298	0.0082	0.4670	0.0080	0.4533	
121	49.32	0.02	0.0207	9.9999	0.0247	9.9999	1.1922	1.0139	0.0096	0.4595	0.0095	0.4532	
122	49.53	0.04	0.0218	9.9999	0.0263	9.9999	1.2057	1.0556	0.0064	0.4785	0.0061	0.4533	
123	49.69	0.07	0.0291	9.9999	0.0287	9.9999	0.9860	1.0597	0.0067	0.4780	0.0063	0.4510	
124	49.89	0.03	0.0266	9.9999	0.0279	9.9999	1.0485	1.0587	0.0057	0.4782	0.0054	0.4517	
125	50.07	0.02	0.0242	9.9999	0.0271	9.9999	1.1193	1.0525	0.0060	0.4744	0.0057	0.4508	
126	50.26	0.03	0.0289	9.9999	0.0299	9.9999	1.0344	1.0527	0.0054	0.4740	0.0051	0.4503	
127	50.43	0.04	0.0278	9.9999	0.0289	9.9999	1.0393	1.0671	0.0048	0.4812	0.0045	0.4509	
128	50.59	0.03	0.0278	9.9999	0.0289	9.9999	1.0393	1.0457	0.0061	0.4723	0.0058	0.4517	
129	50.76	0.06	0.0218	9.9999	0.0260	9.9999	1.1919	1.0672	0.0044	0.4812	0.0041	0.4509	
130	50.94	0.04	0.0240	9.9999	0.0290	9.9999	1.2080	1.0666	0.0051	0.4818	0.0048	0.4517	
131	51.08	0.05	0.0277	9.9999	0.0295	9.9999	1.0648	1.0570	0.0047	0.4779	0.0045	0.4521	
132	51.26	0.05	0.0241	9.9999	0.0277	9.9999	1.1489	1.0542	0.0048	0.4764	0.0046	0.4519	
133	51.51	0.05	0.0123	9.9999	0.0200	9.9999	1.6231	1.0785	0.0035	0.4870	0.0032	0.4516	
134	51.65	0.08	0.0146	9.9999	0.0224	9.9999	1.5123	1.0810	0.0032	0.4884	0.0030	0.4518	
135	51.83	0.06	0.0267	9.9999	0.0269	9.9999	1.0070	1.0623	0.0047	0.4791	0.0044	0.4510	
136	52.02	0.06	0.0230	9.9999	0.0250	9.9999	1.0861	1.0890	0.0029	0.4915	0.0027	0.4513	
137	52.16	0.08	0.0025	9.9999	0.0166	9.9999	6.6211	1.0849	0.0027	0.4899	0.0025	0.4516	
138	52.36	0.06	0.0098	9.9999	0.0189	9.9999	1.9245	1.0890	0.0023	0.4906	0.0021	0.4505	

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	169	0.90	1.7	0.0	81WCF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
139	52.51	0.07	0.0195	9.9999	0.0226	9.9999	1.1575	1.0791	0.0026	0.4861	0.0024	0.4505
140	52.67	0.09	0.0026	9.9999	0.0159	9.9999	6.0964	1.0913	0.0020	0.4907	0.0018	0.4497
141	52.86	0.06	0.0171	9.9999	0.0215	9.9999	1.2555	1.0930	0.0020	0.4914	0.0018	0.4496
142	53.01	0.10	0.0207	9.9999	0.0227	9.9999	1.0953	1.1000	0.0018	0.4944	0.0016	0.4495
143	53.17	0.08	0.0183	9.9999	0.0212	9.9999	1.1567	1.0983	0.0014	0.4943	0.0013	0.4501
144	53.34	0.07	0.0160	9.9999	0.0162	9.9999	1.1349	1.0969	0.0015	0.4952	0.0014	0.4515
145	53.50	0.06	0.0184	9.9999	0.0193	9.9999	1.0468	1.0842	0.0020	0.4839	0.0018	0.4509
146	53.65	0.06	0.0219	9.9999	0.0220	9.9999	1.0032	1.1033	0.0015	0.4968	0.0014	0.4503
147	53.82	0.04	0.0124	9.9999	0.0174	9.9999	1.3996	1.1119	0.0007	0.4999	0.0006	0.4496
148	53.97	0.09	0.0161	9.9999	0.0172	9.9999	1.0655	1.1191	0.0001	0.5044	0.0001	0.4507
149	54.13	0.06	0.0244	9.9999	0.0218	9.9999	0.8922	1.1020	0.0008	0.4969	0.0007	0.4509
150	54.28	0.05	0.0303	9.9999	0.0250	9.9999	0.8244	1.1019	0.0009	0.4970	0.0008	0.4511
151	54.45	0.06	0.0339	9.9999	0.0274	9.9999	0.8079	1.1119	0.0002	0.5019	0.0002	0.4513
152	54.60	0.06	0.0279	9.9999	0.0242	9.9999	0.8666	1.1146	0.0003	0.5030	0.0003	0.4512
153	54.75	0.06	0.0291	9.9999	0.0246	9.9999	0.8446	1.1240	-0.0003	0.5057	-0.0003	0.4499
154	54.90	0.05	0.0303	9.9999	0.0250	9.9999	0.8244	1.1255	-0.0005	0.5085	-0.0004	0.4518
155	55.07	0.04	0.0220	9.9999	0.0210	9.9999	0.9530	1.1355	-0.0006	0.5120	-0.0005	0.4509
156	55.21	0.05	0.0243	9.9999	0.0218	9.9999	0.8759	1.1197	-0.0005	0.5047	-0.0004	0.4507
157	55.35	0.01	0.0243	9.9999	0.0227	9.9999	0.9330	1.1380	-0.0015	0.5123	-0.0013	0.4502
158	55.52	0.07	0.0267	9.9999	0.0232	9.9999	0.8679	1.1395	-0.0015	0.5141	-0.0013	0.4512
159	55.67	0.01	0.0290	9.9999	0.0242	9.9999	0.8337	1.1237	-0.0014	0.5072	-0.0012	0.4513
160	55.85	0.05	0.0243	9.9999	0.0224	9.9999	0.9206	1.1477	-0.0023	0.5157	-0.0020	0.4493
161	56.01	0.04	0.0220	9.9999	0.0204	9.9999	0.9257	1.1423	-0.0024	0.5157	-0.0021	0.4518
162	56.14	0.02	0.0243	9.9999	0.0224	9.9999	0.9206	1.1438	-0.0026	0.5165	-0.0023	0.4516
163	56.31	0.01	0.0196	9.9999	0.0196	9.9999	0.9981	1.1394	-0.0021	0.5133	-0.0018	0.4505
164	56.46	0.04	0.0219	9.9999	0.0220	9.9999	1.0032	1.1436	-0.0023	0.5158	-0.0020	0.4510
165	56.61	0.02	0.0219	9.9999	0.0210	9.9999	0.9574	1.1547	-0.0039	0.5232	-0.0034	0.4505
166	56.76	0.02	0.0170	9.9999	0.0197	9.9999	1.1566	1.1526	-0.0035	0.5197	-0.0030	0.4509
167	56.91	0.02	0.0217	9.9999	0.0229	9.9999	1.0541	1.1403	-0.0028	0.5151	-0.0025	0.4517
168	57.06	0.01	0.0230	9.9999	0.0226	9.9999	0.9814	1.1390	-0.0032	0.5140	-0.0028	0.4513
169	57.20	-0.01	0.0242	9.9999	0.0230	9.9999	0.9493	1.1440	-0.0032	0.5161	-0.0028	0.4511
170	57.37	0.03	0.0195	9.9999	0.0192	9.9999	0.9826	1.1497	-0.0036	0.5167	-0.0031	0.4512
171	57.50	0.01	0.0242	9.9999	0.0226	9.9999	0.9327	1.1371	-0.0030	0.5138	-0.0026	0.4518
172	57.62	-0.08	0.0135	9.9999	0.0176	9.9999	1.3004	1.1375	-0.0041	0.5137	-0.0038	0.4516
173	57.80	-0.10	0.0183	9.9999	0.0188	9.9999	1.0251	1.1497	-0.0044	0.5186	-0.0038	0.4511
174	57.94	-0.10	0.0147	9.9999	0.0171	9.9999	1.1602	1.1581	-0.0044	0.5213	-0.0038	0.4502
175	58.09	-0.11	0.0123	9.9999	0.0173	9.9999	1.4028	1.1442	-0.0042	0.5156	-0.0037	0.4506
176	58.22	-0.12	0.0112	9.9999	0.0156	9.9999	1.3884	1.1317	-0.0038	0.5120	-0.0034	0.4524

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 170 1.00 1.7				0.0	81W0F13	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CN	CLM	CY	CLM	CLL	CA	CAB	CAF	XCP		
1	-5.68	0.03	-1.9120	7.0899	0.1008	-0.3272	-0.0040	0.6570	0.1866	0.4704	-3.7081		
2	-5.59	0.00	-1.8859	7.0687	-0.0220	-0.2744	0.0077	0.6574	0.1862	0.4712	-3.7482		
3	-5.80	0.02	-1.8769	6.9838	0.0966	-0.3854	0.0079	0.6604	0.1821	0.4783	-3.7210		
4	-4.40	0.01	-1.5967	6.3194	0.0865	-0.3450	-0.0035	0.6412	0.1680	0.4732	-3.9577		
5	-2.65	0.01	-1.2704	5.1743	0.0995	-0.3373	0.0087	0.6041	0.1535	0.4506	-4.2305		
6	-0.82	0.02	-0.9477	4.4045	0.1461	-0.3921	0.0091	0.5677	0.1435	0.4242	-4.6476		
7	0.99	0.01	-0.5919	3.3666	0.1077	-0.3980	0.0094	0.5319	0.1324	0.3995	-5.6877		
8	2.89	0.02	-0.2363	2.3583	0.1549	-0.4430	0.0099	0.4924	0.1232	0.3692	-9.9792		
9	4.68	0.01	0.0931	1.3719	0.0948	-0.3972	-0.0017	0.4557	0.1171	0.3387	14.7278		
10	6.56	0.01	0.4084	0.5685	0.0815	-0.4059	-0.0013	0.4217	0.1228	0.2930	1.3920		
11	8.41	0.02	0.7308	-0.2824	0.1348	-0.3635	-0.0008	0.3945	0.1342	0.2603	-0.3864		
12	10.26	0.01	1.1232	-1.2391	0.0983	-0.3508	-0.0003	0.3511	0.1343	0.2168	-1.1032		
13	12.18	0.01	1.5349	-2.2316	0.0659	-0.2806	0.0060	0.3077	0.1427	0.1650	-1.4539		
14	14.07	0.01	2.0051	-3.3280	0.0443	-0.2412	0.0125	0.2728	0.1590	0.1139	-1.6597		
15	16.04	0.01	2.4283	-4.2394	0.0459	-0.2125	0.0132	0.2349	0.1674	0.0675	-1.7459		
16	18.02	0.00	2.8890	-5.1512	-0.0722	0.0613	0.0432	0.1932	0.1874	0.0050	-1.7830		
17	19.98	0.00	3.3611	-6.0114	-0.1389	0.2289	0.0377	0.1587	0.2080	-0.0493	-1.7885		
18	21.95	0.01	3.7817	-6.4177	0.0245	-0.0078	0.0043	0.1142	0.2088	-0.0946	-1.6971		
19	23.92	0.02	4.2660	-5.7176	0.1542	-0.3033	0.0080	0.1067	0.2187	-0.1121	-1.3403		
20	25.87	0.04	4.7551	-5.3170	0.3648	-0.6971	0.0646	0.0981	0.2383	-0.1423	-1.1182		
21	27.84	0.06	5.2791	-4.8030	0.7112	-1.5216	0.2169	0.1298	0.2938	-0.1640	-0.9098		
22	28.10	0.08	5.3295	-4.8152	0.8403	-1.6978	0.2476	0.1453	0.2844	-0.1392	-0.9035		
23	28.48	0.08	5.4314	-4.7032	0.8983	-1.7734	0.2720	0.1467	0.2988	-0.1521	-0.8659		
24	28.74	0.07	5.5476	-4.7734	0.7643	-1.5105	0.2068	0.1102	0.2965	-0.1863	-0.8604		
25	29.05	0.07	5.6022	-4.7314	0.7976	-1.7620	0.2845	0.1530	0.3030	-0.1500	-0.8446		
26	29.38	0.07	5.6915	-4.5938	0.8681	-1.8383	0.2913	0.1508	0.3164	-0.1656	-0.8071		
27	29.66	0.07	5.7890	-4.5889	0.8407	-1.6960	0.1967	0.0998	0.2934	-0.2035	-0.7927		
28	29.94	0.08	5.8277	-4.7371	0.8662	-1.5984	0.2150	0.1080	0.3029	-0.1949	-0.8129		
29	30.22	0.07	5.9855	-4.7531	0.7781	-1.7000	0.1797	0.0846	0.2879	-0.2033	-0.7941		
30	30.50	0.07	6.0411	-4.6865	0.6502	-1.1620	0.1139	0.0586	0.2790	-0.2204	-0.7758		
31	30.76	0.08	6.1983	-4.7583	0.9394	-1.9362	0.2404	0.0943	0.2918	-0.1974	-0.7677		
32	31.05	0.09	6.3113	-4.6823	0.9256	-1.7649	0.1755	0.0831	0.2991	-0.2159	-0.7419		
33	31.33	0.09	6.4166	-4.6496	0.9275	-1.9231	0.1998	0.0804	0.3076	-0.2271	-0.7246		
34	31.61	0.07	6.5064	-4.5411	0.7621	-1.5579	0.1404	0.0666	0.3002	-0.2335	-0.6979		
35	31.87	0.10	6.5292	-4.4783	1.0345	-2.2117	0.2426	0.1193	0.3141	-0.1946	-0.6859		
36	32.15	0.09	6.6443	-4.4202	1.0007	-2.3338	0.1956	0.0974	0.3202	-0.2229	-0.6653		
37	32.41	0.07	6.6930	-4.3217	0.8860	-1.5584	0.1354	0.0662	0.3049	-0.2386	-0.6457		
38	32.66	0.10	6.7787	-4.3750	0.9963	-2.0271	0.1603	0.0678	0.3117	-0.2438	-0.6454		
39	32.93	0.06	6.8511	-4.1821	0.5550	-1.4348	0.1240	0.0549	0.2976	-0.2426	-0.6104		
40	33.19	0.07	7.0185	-4.3403	0.6721	-1.5759	0.1248	0.0526	0.3110	-0.2583	-0.6184		
41	33.42	0.05	7.0027	-4.3103	0.4411	-1.2443	0.1064	0.0499	0.3053	-0.2553	-0.6155		
42	33.69	0.08	7.1143	-4.2133	0.8006	-1.7326	0.1732	0.0469	0.3168	-0.2698	-0.5922		
43	33.94	0.07	7.1894	-4.1960	0.6253	-1.3230	0.1193	0.0291	0.2976	-0.2684	-0.5838		
44	34.17	0.08	7.2550	-4.1912	0.7469	-1.5837	0.1615	0.0439	0.3072	-0.2632	-0.5777		
45	34.44	0.06	7.3886	-4.1735	0.5513	-1.1070	0.0901	0.0184	0.2995	-0.2810	-0.5649		
46	34.69	0.05	7.4705	-4.2952	0.4436	-1.0177	0.1257	0.0105	0.3018	-0.2913	-0.5750		

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 170 1.00 1.7			0.0	BIWOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	XCP
47	34.91	0.06	7.4629	-3.9711	0.5145	-1.0939	0.1203	0.0033	0.2891	-0.2857	-0.5321
48	35.17	0.07	7.6269	-4.1551	0.6041	-1.2627	0.1508	0.0041	0.2983	-0.2942	-0.5448
49	35.41	0.07	7.6888	-4.1292	0.6779	-1.3109	0.1394	-0.0005	0.2995	-0.3000	-0.5376
50	35.63	0.09	7.7132	-4.1344	0.8289	-1.5161	0.1696	0.0218	0.3080	-0.2861	-0.5360
51	35.89	0.08	7.9335	-4.0582	0.7286	-1.3167	0.1405	0.0164	0.3057	-0.2893	-0.5115
52	36.12	0.06	7.9142	-3.9419	0.5556	-1.0494	0.1281	-0.0042	0.3018	-0.3060	-0.4981
53	36.35	0.07	8.0389	-3.9811	0.6379	-1.1477	0.1406	0.0033	0.3115	-0.3082	-0.4952
54	36.58	0.06	8.1174	-3.9108	0.5578	-1.0203	0.1349	-0.0067	0.3080	-0.3147	-0.4818
55	36.82	0.06	8.1428	-3.9260	0.5272	-0.9176	0.0993	-0.0109	0.3007	-0.3116	-0.4699
56	37.07	0.05	8.3264	-3.9543	0.4393	-0.8980	0.1176	-0.0170	0.3068	-0.3238	-0.4749
57	37.31	0.06	8.3779	-3.7195	0.3943	-0.8140	0.1180	0.0003	0.3122	-0.3119	-0.4448
58	37.53	0.06	8.4646	-3.7132	0.5206	-0.8386	0.1065	-0.0131	0.3088	-0.3219	-0.4387
59	37.77	0.05	8.5893	-3.8780	0.3078	-0.5961	0.0708	-0.0125	0.3172	-0.3297	-0.4515
60	38.00	0.04	8.7162	-3.9765	0.2198	-0.3983	0.0472	-0.0312	0.3019	-0.3331	-0.4447
61	38.24	0.06	8.7975	-3.8313	0.4774	-0.7139	0.0955	-0.0076	0.3214	-0.3290	-0.4355
62	38.46	0.05	8.7213	-3.6163	0.3844	-0.5852	0.1070	-0.0160	0.3072	-0.3232	-0.4146
63	38.71	0.07	9.0549	-3.9908	0.5435	-0.8484	0.1143	-0.0343	0.3118	-0.3461	-0.4407
64	38.91	0.05	9.0986	-4.0365	0.4231	-0.7451	0.0965	-0.0317	0.3103	-0.3420	-0.4436
65	39.14	0.07	9.0928	-3.9777	0.5651	-0.8481	0.0968	-0.0255	0.3144	-0.3399	-0.4265
66	39.36	0.06	9.2262	-3.9666	0.4412	-0.8343	0.1148	-0.0277	0.3102	-0.3379	-0.4299
67	39.56	0.08	9.2713	-3.8443	0.7427	-1.0761	0.1215	-0.0169	0.3182	-0.3351	-0.4166
68	39.79	0.08	9.4160	-3.9260	0.6563	-0.8708	0.1099	-0.0340	0.3079	-0.3419	-0.4169
69	39.99	0.07	9.4688	-3.8810	0.6206	-0.8381	0.1337	-0.0391	0.3052	-0.3443	-0.4099
70	40.21	0.07	9.6164	-3.9376	0.6183	-0.8668	0.1343	-0.0232	0.3156	-0.3388	-0.4095
71	40.38	0.07	9.6356	-3.9790	0.6237	-0.7992	0.1224	-0.0445	0.3030	-0.3475	-0.4129
72	40.60	0.06	9.6808	-4.0123	0.4938	-0.6565	0.1223	-0.0166	0.3087	-0.3253	-0.4145
73	40.82	0.06	9.6696	-3.7208	0.5841	-0.8021	0.1108	-0.0517	0.3029	-0.3546	-0.3848
74	41.00	0.04	9.5512	-3.9716	0.2578	-0.3912	0.0633	-0.0646	0.3075	-0.3721	-0.4032
75	41.22	0.05	9.8313	-3.8557	0.3988	-0.3902	0.0812	-0.0432	0.3102	-0.3534	-0.3922
76	41.42	0.06	9.8370	-3.7153	0.4964	-0.4501	0.0696	-0.0723	0.3044	-0.3767	-0.3777
77	41.61	0.03	9.9840	-3.9531	0.3412	-0.3155	0.0816	-0.0576	0.2994	-0.3570	-0.3959
78	41.81	0.02	10.1223	-4.1301	0.2538	-0.2846	0.0701	-0.0684	0.3021	-0.3705	-0.4080
79	42.01	0.03	10.1752	-3.8998	0.3208	-0.2225	0.0580	-0.0446	0.3162	-0.3608	-0.3833
80	42.21	0.03	10.2785	-3.9961	0.3583	-0.4240	0.0767	-0.0813	0.3032	-0.3845	-0.3907
81	42.40	0.03	10.4181	-3.9992	0.2588	-0.2163	0.0711	-0.0884	0.2968	-0.3852	-0.3839
82	42.57	0.03	10.2961	-3.8599	0.2710	-0.2174	0.0768	-0.0495	0.3124	-0.3619	-0.3749
83	42.76	0.03	10.4714	-4.0226	0.3304	-0.2855	0.0723	-0.1046	0.2814	-0.3860	-0.3841
84	42.94	0.01	10.6153	-4.1486	0.1804	-0.0288	0.0780	-0.0662	0.3181	-0.3849	-0.3908
85	43.12	0.01	10.6850	-4.0147	0.1939	-0.0090	0.0608	-0.0634	0.3006	-0.3640	-0.3757
86	43.30	0.01	10.7380	-4.1254	0.1885	-0.1291	0.0611	-0.0952	0.2914	-0.3866	-0.3842
87	43.47	0.02	10.7020	-3.7128	0.2058	0.2326	0.0778	-0.0334	0.3246	-0.3580	-0.3469
88	43.67	0.02	10.7308	-3.3933	0.2694	-0.2482	0.0498	-0.1297	0.2646	-0.3943	-0.3628
89	43.82	0.02	10.7831	-3.8783	0.2047	0.2128	0.0543	-0.0828	0.3016	-0.3844	-0.3597
90	44.01	0.02	10.9424	-4.1139	0.2404	-0.0736	0.0499	-0.0875	0.2852	-0.3728	-0.3760
91	44.23	0.01	11.0372	-3.8155	0.1656	0.1762	0.0497	-0.0874	0.2928	-0.3802	-0.3457
92	44.37	0.00	10.9304	-3.8153	0.1464	0.0360	0.0498	-0.1291	0.2779	-0.4070	-0.3491

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PMI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	170	1.00 1.7	0.0	9100F13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	XCP
93	44.57	0.00	11.0990	-4.1108	0.1271	-0.1041	0.0508	-0.1251	0.2729	-0.3940	-0.3704
94	44.75	0.00	11.1492	-4.0863	0.1297	-0.0536	0.0508	-0.1208	0.2927	-0.4134	-0.3665
95	44.94	-0.01	11.3116	-4.2968	0.0743	-0.1162	0.0456	-0.1296	0.2690	-0.3986	-0.3799
96	45.10	-0.00	11.2640	-4.0108	0.1137	0.1305	0.0507	-0.0964	0.2762	-0.3726	-0.3579
97	45.29	-0.00	11.4695	-4.3606	0.1854	-0.3448	0.0525	-0.1207	0.2877	-0.4084	-0.3502
98	45.44	0.00	11.4693	-4.6316	0.2120	0.0916	0.0397	-0.1296	0.2693	-0.3989	-0.3509
99	45.65	0.00	11.4810	-4.0878	0.1622	-0.1572	0.0406	-0.1563	0.2719	-0.4282	-0.3561
100	45.80	0.01	11.5321	-4.0855	0.1733	0.0645	0.0518	-0.1305	0.2811	-0.4116	-0.3543
101	45.99	-0.00	11.6272	-4.1585	0.0442	0.4929	0.0330	-0.1139	0.2904	-0.4042	-0.3577
102	46.18	0.00	11.7645	-3.9918	0.0932	0.4684	0.0277	-0.1284	0.2915	-0.4198	-0.3393
103	46.34	0.01	11.6476	-3.9409	0.2377	0.1001	0.0285	-0.1360	0.2704	-0.4064	-0.3383
104	46.49	0.01	11.5571	-3.6963	0.1550	0.1993	0.0223	-0.1323	0.2799	-0.4122	-0.3198
105	46.68	0.02	11.7633	-3.8496	0.2163	0.4185	-0.0136	-0.1251	0.2975	-0.4225	-0.3273
106	46.85	0.02	11.6666	-3.5374	0.2705	0.4955	-0.0082	-0.1296	0.2959	-0.4254	-0.3032
107	47.03	0.02	11.8183	-3.7259	0.2073	0.7354	-0.0323	-0.1130	0.2929	-0.4058	-0.3153
108	47.18	0.02	11.8022	-3.7262	0.1762	0.8605	-0.0446	-0.1006	0.3243	-0.4248	-0.3187
109	47.36	0.03	11.9128	-3.8064	0.1795	0.9322	-0.0209	-0.1049	0.3293	-0.4341	-0.3195
110	47.53	0.05	11.8219	-3.5914	0.3681	0.9355	-0.0213	-0.0794	0.3434	-0.4228	-0.3038
111	47.72	0.05	11.9328	-3.6493	0.3586	1.0075	0.0025	-0.0580	0.3867	-0.4447	-0.3058
112	47.88	0.06	12.2755	-5.4270	0.3686	1.6989	-0.0715	-0.0244	0.4332	-0.4576	-0.4421
113	48.09	0.05	12.7153	-6.1819	0.3491	1.8045	-0.0828	0.0052	0.4494	-0.4442	-0.4862
114	48.26	0.05	12.7731	-6.2007	0.2647	1.8813	-0.0927	-0.0215	0.4240	-0.4455	-0.4854
115	48.41	0.03	12.6422	-5.9906	0.0376	2.1057	-0.0952	-0.0656	0.4053	-0.4709	-0.4720
116	48.62	0.04	13.0871	-6.8165	0.1088	2.2720	-0.1071	-0.0365	0.4088	-0.4453	-0.5209
117	48.75	0.02	12.7663	-5.9837	-0.1110	2.4068	-0.0959	-0.0543	0.4008	-0.4551	-0.4687
118	48.94	0.02	13.1119	-6.2249	-0.0579	2.4629	-0.0832	-0.0642	0.4033	-0.4675	-0.4747
119	49.13	0.02	13.0926	-6.0633	-0.1175	2.2848	-0.0645	-0.0681	0.4060	-0.4741	-0.4631
120	49.30	0.02	13.2053	-6.2264	-0.1555	2.2753	-0.0581	-0.0615	0.4034	-0.4649	-0.4715
121	49.46	0.02	13.1132	-6.0092	-0.1237	2.1695	-0.0460	-0.0745	0.3991	-0.4736	-0.4583
122	49.65	-0.00	13.1513	-6.1905	-0.2638	2.3793	-0.0526	-0.0760	0.4007	-0.4767	-0.4707
123	49.83	0.01	13.2279	-6.2705	-0.1553	2.0455	-0.0335	-0.0878	0.4059	-0.4938	-0.4687
124	49.99	-0.00	13.2816	-6.3129	-0.1867	2.1711	-0.0457	-0.0678	0.4090	-0.4768	-0.4753
125	50.15	-0.01	13.1891	-6.0946	-0.2931	2.3245	-0.0463	-0.0897	0.4010	-0.4908	-0.4621
126	50.34	-0.02	13.1682	-5.9608	-0.3238	2.2039	-0.0338	-0.0786	0.4040	-0.4827	-0.4527
127	50.51	-0.02	13.3816	-6.4380	-0.3367	2.2076	-0.0453	-0.0604	0.4157	-0.4761	-0.4811
128	50.67	0.01	13.2197	-5.8904	0.0141	1.1644	-0.0003	-0.0653	0.4173	-0.4827	-0.4456
129	50.85	-0.01	13.3699	-5.9498	-0.1524	1.6186	0.0047	-0.0494	0.4192	-0.4686	-0.4450
130	50.99	0.01	13.1862	-5.7629	0.1120	1.1030	0.0414	-0.0447	0.4266	-0.4713	-0.4370
131	51.15	0.02	12.9403	-4.7249	0.1896	1.1353	0.0529	-0.0858	0.4037	-0.4896	-0.3651
132	51.35	0.02	13.3779	-5.4975	0.2795	0.9229	0.0546	-0.0632	0.4059	-0.4691	-0.4109
133	51.53	0.03	13.2418	-5.3466	0.3093	1.0120	0.0538	-0.0754	0.4021	-0.4775	-0.4038
134	51.72	0.03	13.2302	-5.3417	0.2975	0.7876	0.0548	-0.0461	0.4132	-0.4593	-0.4038
135	51.88	0.02	13.3959	-5.5424	0.2105	1.0603	0.0543	-0.0484	0.4266	-0.4750	-0.4137
136	52.06	0.02	13.2441	-5.2347	0.1986	1.0716	0.0540	-0.0585	0.4093	-0.4678	-0.3952
137	52.23	0.01	13.3744	-5.5349	0.1799	0.9515	0.0428	-0.0640	0.4344	-0.4985	-0.4138
138	52.36	0.01	13.0930	-4.8679	0.1841	1.0325	0.0480	-0.0688	0.4102	-0.4790	-0.3718

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7	170	1.00	1.7	0.0	81WOF13	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
139	52.54	0.01	13.2275	-5.1515	0.1781	0.9122	0.0428	-0.0594	0.4330	-0.4925	-0.3895
140	52.71	0.02	13.3004	-5.4288	0.2744	0.8316	0.0133	-0.0743	0.4213	-0.4937	-0.4082
141	52.90	0.01	13.6993	-5.8477	0.2180	0.7049	0.0210	-0.0538	0.4541	-0.5088	-0.4269
142	53.07	0.02	13.6365	-5.8052	0.2499	0.5802	0.0212	-0.0762	0.4458	-0.5221	-0.4257
143	53.21	0.01	13.5716	-5.7003	0.2135	0.6137	0.0151	-0.0645	0.4491	-0.5137	-0.4200
144	53.42	0.00	13.7693	-6.1418	0.1560	0.9751	0.0327	-0.0597	0.4594	-0.5192	-0.4397
145	53.55	0.01	13.5955	-5.6294	0.2475	0.5391	0.0215	-0.0693	0.4553	-0.5247	-0.4141
146	53.75	-0.01	13.5294	-5.4978	0.0968	0.7957	0.0384	-0.0764	0.4311	-0.5076	-0.4064
147	53.91	0.01	13.8315	-5.7600	0.3444	0.4686	0.0164	-0.0817	0.4635	-0.5453	-0.4164
148	54.06	0.00	13.6481	-5.5582	0.2659	0.6588	0.0212	-0.0959	0.4552	-0.5512	-0.4072
149	54.25	0.00	14.0604	-6.1877	0.2509	0.6183	0.0225	-0.0712	0.4609	-0.5322	-0.4401
150	54.39	-0.02	13.9017	-5.7878	0.1011	0.6321	0.0225	-0.0741	0.4632	-0.5374	-0.4163
151	54.56	-0.00	14.0424	-6.1038	0.2705	0.5143	0.0229	-0.0678	0.4505	-0.5184	-0.4347
152	54.69	-0.01	13.8051	-5.6067	0.1398	0.4037	0.0232	-0.0991	0.4437	-0.5428	-0.4061
153	54.84	-0.01	13.6785	-5.3192	0.2584	0.2717	0.0114	-0.1148	0.4430	-0.5578	-0.3989
154	55.01	-0.01	14.0255	-5.5913	0.2404	0.4148	0.0235	-0.0900	0.4545	-0.5446	-0.4200
155	55.18	-0.02	14.2698	-6.1011	0.1515	0.3920	0.0187	-0.0900	0.4611	-0.5512	-0.4278
156	55.31	-0.02	13.9065	-5.5151	0.1298	0.4549	0.0176	-0.1115	0.4440	-0.5555	-0.3966
157	55.48	-0.02	14.0921	-6.0075	0.1180	0.2227	0.0130	-0.0987	0.4455	-0.5442	-0.4263
158	55.62	-0.03	13.9349	-5.5749	0.0634	0.3790	0.0123	-0.1227	0.4336	-0.5563	-0.4001
159	55.81	-0.01	14.1978	-6.0351	0.2191	0.2610	0.0131	-0.1147	0.4352	-0.5499	-0.4251
160	55.96	-0.02	14.2468	-6.1328	0.1362	0.0990	0.0141	-0.1028	0.4381	-0.5409	-0.4305
161	56.13	-0.02	14.2628	-6.1237	0.1588	0.3080	0.0133	-0.1125	0.4503	-0.5628	-0.4293
162	56.27	-0.04	14.1542	-5.8988	-0.0763	0.3086	0.0135	-0.1626	0.4155	-0.5781	-0.4168
163	56.41	0.01	14.0031	-5.7619	0.4374	0.1916	0.0126	-0.1465	0.4091	-0.5556	-0.4115
164	56.66	-0.04	14.8022	-6.1113	-0.0399	-0.1499	0.0228	-0.1733	0.4193	-0.5926	-0.4129
165	56.78	-0.07	14.5267	-5.6833	-0.1606	-0.8224	0.0051	-0.1790	0.3993	-0.5773	-0.3912
166	56.96	-0.06	14.6386	-5.8684	-0.1416	-0.9119	0.0054	-0.2056	0.4167	-0.6223	-0.4009
167	57.06	-0.09	13.9977	-5.3091	-0.4706	-0.6132	0.0029	-0.1716	0.4077	-0.5793	-0.3793
168	57.24	-0.06	14.3559	-5.8354	-0.1208	-0.6038	0.0102	-0.1726	0.4154	-0.5880	-0.4065
169	57.40	-0.07	14.3530	-5.8166	-0.1986	-0.4694	0.0040	-0.1983	0.3988	-0.5971	-0.4053
170	57.57	-0.01	14.7618	-6.4451	0.3268	-0.4527	0.0056	-0.1893	0.4064	-0.5957	-0.4366
171	57.71	-0.07	14.6169	-6.2801	-0.1323	-0.5920	-0.0009	-0.1873	0.3958	-0.5831	-0.4298
172	57.87	-0.09	14.7875	-6.3683	-0.4011	-0.3554	0.0049	-0.2323	0.3865	-0.6188	-0.4307
173	58.03	-0.03	14.8556	-6.4810	0.2661	-0.2428	0.0058	-0.1966	0.3809	-0.5775	-0.4363
174	58.20	-0.01	15.0322	-6.5083	0.2961	0.1019	0.0339	-0.2550	0.3873	-0.6423	-0.4330
175	58.33	-0.00	14.8991	-6.5413	0.5022	-0.1749	0.0167	-0.2536	0.3767	-0.6393	-0.4391
176	58.40	-0.01	15.1376	-6.7565	0.3513	-0.0029	0.0402	-0.2334	0.4051	-0.6335	-0.4463

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 170 1.00 1.7				0.0	H1WOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CHI	CBI	XCPF1	YCPF1	CNF2	CH2	CBI2	XCPF2	YCPF2
1	-5.68	0.53	0.3191	0.0040	0.0420	0.2095	2.1955	-0.8888	-0.0508	-0.4297	0.0571	0.4834
2	-5.69	0.00	0.0275	0.0038	0.0457	0.1383	1.6593	-0.0923	-0.0507	-0.4341	0.0560	0.4865
3	-5.80	0.02	0.0254	0.0037	0.0449	0.1457	1.7655	-0.8779	-0.0501	-0.4293	0.0570	0.4890
4	-4.40	0.01	0.0381	0.0043	0.0487	0.1129	1.2770	-0.7737	-0.0473	-0.3901	0.0611	0.5042
5	-2.65	0.01	0.0237	0.0032	0.0419	0.1351	1.7651	-0.6386	-0.0434	-0.3316	0.0679	0.5192
6	-0.42	0.02	0.0326	0.0031	0.0477	0.0951	1.2925	-0.5038	-0.0375	-0.2701	0.0745	0.5362
7	0.99	0.01	0.0391	0.0039	0.0433	0.0998	1.1058	-0.3416	-0.0257	-0.1987	0.0753	0.5817
8	2.89	0.02	0.0238	0.0028	0.0354	0.1177	1.4879	-0.2135	-0.0147	-0.1395	0.0690	0.6533
9	4.68	0.01	0.0273	0.0010	0.0349	0.0660	1.2788	-0.0616	-0.0021	-0.0655	0.0342	1.0638
10	6.56	0.01	0.0253	0.0017	0.0335	0.0672	1.3244	0.0470	0.0063	-0.0766	0.1341	-0.1409
11	5.41	0.02	0.0197	0.0039	0.0388	0.1981	1.9657	0.1705	0.0209	0.0434	0.1229	0.2545
12	10.26	0.01	0.0137	0.0053	0.0339	0.3871	2.4750	0.3014	0.0398	0.1043	0.1319	0.3462
13	12.18	0.01	0.0241	0.0046	0.0388	0.1910	1.6068	0.4304	0.0536	0.1654	0.1245	0.3842
14	14.07	0.01	0.0229	0.0044	0.0394	0.1922	1.7173	0.5710	0.0590	0.2340	0.1033	0.4097
15	16.04	0.01	0.0179	0.0062	0.0355	0.3466	1.9840	0.6929	0.0604	0.2904	0.0871	0.4191
16	18.02	0.00	0.0216	0.0016	0.0477	0.0741	2.2061	0.7971	0.0594	0.3341	0.0748	0.4191
17	19.98	-0.03	0.0110	-0.0042	0.0465	-0.3820	4.2226	0.9294	0.0558	0.3915	0.0600	0.4212
18	21.95	0.01	-0.0132	-0.0046	0.0249	0.3487	-1.8848	1.0270	0.0548	0.4246	0.0533	0.4135
19	23.92	0.02	-0.0257	-0.0002	0.0052	-0.0078	-0.2030	0.3829	0.0378	0.3934	0.0384	0.3902
20	25.87	0.04	0.1481	0.0316	0.0718	0.2136	0.4847	0.9616	0.0252	0.3667	0.0262	0.3814
21	27.84	0.06	0.3243	0.0540	0.1538	0.1664	0.4744	0.9258	0.0227	0.3464	0.0246	0.3742
22	28.10	0.08	0.3384	0.0582	0.1666	0.1719	0.4923	0.9224	0.0226	0.3411	0.0245	0.3698
23	28.48	0.09	0.3547	0.0606	0.1781	0.1689	0.4966	0.9395	0.0218	0.3492	0.0232	0.3717
24	28.74	0.07	0.3267	0.0567	0.1632	0.1735	0.4994	0.9785	0.0205	0.3641	0.0210	0.3721
25	29.05	0.07	0.3877	0.0647	0.1914	0.1669	0.4937	0.9520	0.0210	0.3498	0.0221	0.3675
26	29.36	0.07	0.4004	0.0700	0.1942	0.1745	0.4850	0.9289	0.0210	0.3398	0.0226	0.3658
27	29.66	0.07	0.3001	0.0564	0.1565	0.1879	0.5217	0.9921	0.0190	0.3675	0.0192	0.3704
28	29.94	0.08	0.3760	0.0674	0.1850	0.1792	0.4919	1.0018	0.0185	0.3719	0.0105	0.3713
29	30.22	0.07	0.3044	0.0516	0.1619	0.1694	0.5318	1.0287	0.0175	0.3813	0.0170	0.3708
30	30.50	0.07	0.2401	0.0400	0.1337	0.1664	0.5570	1.0472	0.0168	0.3855	0.0161	0.3710
31	30.76	0.08	0.3595	0.0608	0.1847	0.1691	0.5136	1.0302	0.0170	0.3780	0.0165	0.3670
32	31.05	0.09	0.3016	0.0516	0.1523	0.1710	0.5051	1.0523	0.0159	0.3881	0.0151	0.3688
33	31.33	0.09	0.3389	0.0593	0.1683	0.1749	0.4966	1.0500	0.0154	0.3860	0.0147	0.3676
34	31.61	0.07	0.2949	0.0527	0.1452	0.1786	0.4924	1.0670	0.0146	0.3941	0.0137	0.3694
35	31.87	0.10	0.4333	0.0725	0.2045	0.1673	0.4721	1.0243	0.0151	0.3763	0.0148	0.3674
36	32.15	0.09	0.3657	0.0657	0.1739	0.1796	0.4755	1.0587	0.0139	0.3888	0.0131	0.3672
37	32.41	0.07	0.2563	0.0537	0.1265	0.2094	0.4936	1.0650	0.0138	0.3958	0.0130	0.3651
38	32.66	0.13	0.3162	0.0602	0.1555	0.1904	0.4919	1.0893	0.0127	0.4002	0.0117	0.3674
39	32.93	0.06	0.1512	0.0377	0.0816	0.2490	0.5398	1.1015	0.0128	0.4056	0.0116	0.3682
40	33.19	0.07	0.2342	0.0463	0.1138	0.1975	0.4857	1.1163	0.0118	0.4103	0.0106	0.3675
41	33.42	0.05	0.2208	0.0465	0.1064	0.2104	0.4820	1.1066	0.0117	0.4055	0.0106	0.3664
42	33.69	0.08	0.2309	0.0423	0.1210	0.1830	0.5240	1.1212	0.0114	0.4122	0.0102	0.3676
43	33.94	0.07	0.2381	0.0430	0.1230	0.1804	0.5166	1.1346	0.0108	0.4164	0.0095	0.3670
44	34.17	0.08	0.2960	0.0485	0.1570	0.1630	0.5306	1.1370	0.0103	0.4188	0.0091	0.3683
45	34.44	0.06	0.2427	0.0404	0.1299	0.1663	0.5353	1.1481	0.0097	0.4220	0.0085	0.3676
46	34.69	0.05	0.2343	0.0399	0.1267	0.1701	0.5408	1.1505	0.0097	0.4228	0.0084	0.3678

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 170 1.00 1.7			0.0	8100F13	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CH1	C81	XCPF1	YCPF1	CNF2	CH2	C82	XCPF2	YCPF2
47	34.91	0.06	0.2322	0.0349	0.1336	0.1501	0.5755	1.1274	0.0100	0.4134	0.0089	0.3667
48	35.17	0.07	0.2457	0.0393	0.1402	0.1598	0.5705	1.1507	0.0092	0.4229	0.0080	0.3675
49	35.41	0.07	0.2580	0.0399	0.1472	0.1545	0.5705	1.1569	0.0089	0.4252	0.0077	0.3676
50	35.63	0.09	0.3062	0.0467	0.1661	0.1524	0.5424	1.1593	0.0086	0.4266	0.0074	0.3680
51	35.89	0.08	0.2478	0.0384	0.1415	0.1548	0.5709	1.1802	0.0078	0.4331	0.0066	0.3670
52	36.12	0.06	0.2764	0.0418	0.1555	0.1511	0.5628	1.1554	0.0083	0.4231	0.0072	0.3661
53	36.35	0.07	0.2242	0.0353	0.1276	0.1572	0.5692	1.1801	0.0078	0.4340	0.0066	0.3678
54	36.58	0.06	0.2289	0.0349	0.1333	0.1522	0.5825	1.1837	0.0075	0.4355	0.0066	0.3679
55	36.82	0.06	0.1819	0.0278	0.1087	0.1531	0.5979	1.1922	0.0075	0.4392	0.0063	0.3684
56	37.07	0.05	0.2246	0.0325	0.1329	0.1449	0.5919	1.1862	0.0075	0.4359	0.0063	0.3675
57	37.31	0.06	0.2239	0.0278	0.1384	0.1243	0.6180	1.1764	0.0079	0.4318	0.0067	0.3670
58	37.53	0.06	0.2195	0.0270	0.1383	0.1232	0.6299	1.1863	0.0072	0.4349	0.0061	0.3666
59	37.77	0.05	0.1779	0.0211	0.1144	0.1188	0.6430	1.2094	0.0066	0.4450	0.0055	0.3680
60	38.00	0.04	0.1043	0.0130	0.0800	0.1248	0.7673	1.2094	0.0063	0.4436	0.0052	0.3688
61	38.24	0.06	0.1904	0.0200	0.1239	0.1052	0.6509	1.2076	0.0061	0.4436	0.0051	0.3674
62	38.46	0.05	0.1942	0.0181	0.1268	0.0933	0.6531	1.1808	0.0063	0.4326	0.0058	0.3663
63	38.71	0.07	0.2245	0.0256	0.1349	0.1142	0.6096	1.2063	0.0058	0.4437	0.0048	0.3678
64	38.91	0.05	0.1877	0.0206	0.1182	0.1099	0.6297	1.2209	0.0055	0.4484	0.0045	0.3673
65	39.14	0.07	0.1937	0.0198	0.1210	0.1024	0.6247	1.2238	0.0054	0.4537	0.0044	0.3707
66	39.36	0.06	0.2254	0.0257	0.1364	0.1142	0.6049	1.2106	0.0058	0.4448	0.0048	0.3674
67	39.56	0.08	0.2253	0.0235	0.1375	0.1045	0.6101	1.2069	0.0057	0.4449	0.0047	0.3686
68	39.79	0.05	0.2151	0.0221	0.1325	0.1029	0.6162	1.2143	0.0053	0.4462	0.0044	0.3675
69	39.99	0.07	0.2348	0.0253	0.1406	0.1079	0.5987	1.1974	0.0056	0.4388	0.0047	0.3665
70	40.21	0.07	0.2465	0.0265	0.1437	0.1076	0.5829	1.1781	0.0058	0.4300	0.0049	0.3650
71	40.38	0.07	0.2146	0.0214	0.1357	0.0999	0.6321	1.2023	0.0046	0.4413	0.0038	0.3671
72	40.60	0.06	0.2215	0.0224	0.1342	0.1013	0.6061	1.1926	0.0049	0.4366	0.0041	0.3661
73	40.82	0.06	0.2110	0.0212	0.1285	0.1006	0.6092	1.2029	0.0049	0.4425	0.0041	0.3679
74	41.00	0.04	0.1438	0.0173	0.0920	0.1205	0.6395	1.2344	0.0044	0.4553	0.0036	0.3688
75	41.22	0.05	0.1507	0.0128	0.1049	0.0850	0.6961	1.2294	0.0042	0.4554	0.0034	0.3704
76	41.42	0.06	0.1527	0.0106	0.1071	0.0695	0.7015	1.1944	0.0049	0.4397	0.0041	0.3681
77	41.61	0.03	0.1654	0.0115	0.1127	0.0696	0.6813	1.2127	0.0041	0.4476	0.0034	0.3691
78	41.81	0.02	0.1419	0.0110	0.0998	0.0776	0.7032	1.2141	0.0038	0.4461	0.0031	0.3675
79	42.01	0.03	0.1525	0.0110	0.1091	0.0722	0.7155	1.1826	0.0048	0.4327	0.0041	0.3659
80	42.21	0.03	0.1132	0.0153	0.0764	0.1354	0.6750	1.2286	0.0031	0.4541	0.0025	0.3696
81	42.40	0.03	0.1231	0.0115	0.0854	0.0935	0.6941	1.2274	0.0034	0.4531	0.0028	0.3691
82	42.57	0.03	0.1387	0.0083	0.0997	0.0599	0.7187	1.1789	0.0046	0.4328	0.0039	0.3671
83	42.76	0.03	0.1224	0.0106	0.0898	0.0867	0.7333	1.2287	0.0031	0.4514	0.0025	0.3674
84	42.94	0.01	0.1234	0.0083	0.0913	0.0674	0.7396	1.1995	0.0036	0.4420	0.0030	0.3685
85	43.12	0.01	0.1143	0.0080	0.0856	0.0701	0.7484	1.2263	0.0029	0.4513	0.0024	0.3681
86	43.30	0.01	0.1007	0.0113	0.0730	0.1124	0.7250	1.2445	0.0022	0.4592	0.0018	0.3690
87	43.47	0.02	0.1142	0.0048	0.0875	0.0421	0.7658	1.1632	0.0040	0.4277	0.0034	0.3677
88	43.67	0.02	0.0868	0.0123	0.0618	0.1419	0.7116	1.2174	0.0034	0.4457	0.0028	0.3661
89	43.82	0.02	0.0895	0.0052	0.0742	0.0582	0.8293	1.2195	0.0025	0.4517	0.0021	0.3704
90	44.01	0.02	0.0913	0.0122	0.0675	0.1338	0.7392	1.2343	0.0022	0.4538	0.0018	0.3676
91	44.23	0.01	0.0857	0.0032	0.0709	0.0374	0.8274	1.2028	0.0029	0.4420	0.0024	0.3675
92	44.37	0.00	0.0856	0.0066	0.0702	0.0772	0.8202	1.2173	0.0028	0.4480	0.0023	0.3681

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		RX10-6		PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		170		1.00 1.7		0.0	81WOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2		
93	44.57	0.00	0.0594	0.0164	0.0385	0.2767	0.6479	1.2320	0.0024	0.4532	0.0020	0.3678		
94	44.75	0.00	0.0890	0.0132	0.0625	0.1486	0.7019	1.2370	0.0019	0.4561	0.0015	0.3687		
95	44.94	-0.01	0.0684	0.0140	0.0460	0.2051	0.6727	1.2372	0.0015	0.4548	0.0012	0.3676		
96	45.10	-0.00	0.0841	0.0059	0.0677	0.0703	0.8049	1.2347	0.0016	0.4547	0.0013	0.3682		
97	45.29	-0.00	0.0764	0.0155	0.0508	0.2033	0.6653	1.2408	0.0018	0.4554	0.0015	0.3676		
98	45.49	0.00	0.0544	0.0060	0.0509	0.1104	0.9350	1.2250	0.0021	0.4492	0.0017	0.3667		
99	45.65	0.00	0.0701	0.0192	0.0415	0.2744	0.5919	1.2325	0.0327	0.4507	0.0022	0.3657		
100	45.80	0.01	0.0789	0.0122	0.0575	0.1549	0.7295	1.2385	0.0020	0.4550	0.0016	0.3673		
101	45.99	-0.00	0.0664	0.0067	0.0537	0.1011	0.8095	1.2409	0.0010	0.4581	0.0008	0.3691		
102	46.18	0.00	0.0451	0.0032	0.0482	0.0710	1.0677	1.2312	0.0024	0.4524	0.0020	0.3674		
103	46.34	0.01	0.0478	0.0053	0.0447	0.1109	0.9339	1.2300	0.0024	0.4520	0.0020	0.3674		
104	46.49	0.01	0.0323	0.0039	0.0374	0.1208	1.1554	1.2119	0.0023	0.4434	0.0019	0.3659		
105	46.68	0.02	0.0210	0.0007	0.0332	0.0334	1.5812	1.2424	0.0016	0.4573	0.0013	0.3680		
106	46.85	0.02	0.0008	0.0009	0.0203	1.1256	25.3398	1.2171	0.0020	0.4458	0.0016	0.3663		
107	47.03	0.02	-0.0145	-0.0015	0.0120	0.1035	-0.8302	1.2464	0.0004	0.4536	0.0003	0.3679		
108	47.18	0.02	-0.0387	-0.0051	0.0036	0.1319	-0.0933	1.2342	0.0302	0.4543	0.0002	0.3681		
109	47.36	0.03	-0.0037	0.0057	0.0119	-1.5414	-3.2265	1.1920	0.0008	0.4331	0.0007	0.3633		
110	47.53	0.05	-0.0328	0.0	0.0002	0.0	-0.0061	1.1919	0.0004	0.4357	0.0003	0.3658		
111	47.72	0.05	-0.0221	0.0049	0.0020	-0.2218	-0.0908	1.1699	0.0004	0.4286	0.0003	0.3663		
112	47.88	0.06	-0.0339	-0.0166	0.0061	0.4839	-0.1805	1.1494	-0.0003	0.4166	-0.0003	0.3624		
113	48.09	0.05	-0.1005	-0.0231	-0.0299	0.2302	0.2978	1.2107	-0.0020	0.4410	-0.0017	0.3643		
114	48.26	0.05	-0.1012	-0.0228	-0.0257	0.2256	0.2540	1.2081	-0.0025	0.4401	-0.0021	0.3643		
115	48.41	0.03	-0.0912	-0.0257	-0.0300	0.2823	0.3293	1.1949	-0.0014	0.4313	-0.0012	0.3609		
116	48.62	0.04	-0.0768	-0.0254	-0.0159	0.3313	0.2067	1.2850	-0.0043	0.4721	-0.0034	0.3674		
117	48.75	0.02	-0.0927	-0.0252	-0.0288	0.2723	0.3109	1.2377	-0.0040	0.4510	-0.0032	0.3644		
118	48.94	0.02	-0.0913	-0.0254	-0.0300	0.2797	0.3289	1.2184	-0.0038	0.4404	-0.0031	0.3615		
119	49.13	0.02	-0.0683	-0.0204	-0.0213	0.2993	0.3118	1.2331	-0.0048	0.4474	-0.0039	0.3628		
120	49.30	0.02	-0.0537	-0.0196	-0.0145	0.3652	0.2690	1.2366	-0.0053	0.4485	-0.0043	0.3627		
121	49.46	0.02	-0.0507	-0.0194	-0.0123	0.3828	0.2414	1.2256	-0.0051	0.4443	-0.0042	0.3625		
122	49.65	-0.00	-0.0425	-0.0181	-0.0084	0.4261	0.1983	1.2294	-0.0051	0.4459	-0.0042	0.3627		
123	49.83	0.01	-0.0249	-0.0130	-0.0014	0.5224	0.0564	1.2126	-0.0045	0.4382	-0.0037	0.3614		
124	49.99	-0.00	-0.0207	-0.0166	0.0016	0.8024	-0.0775	1.2456	-0.0061	0.4525	-0.0049	0.3632		
125	50.15	-0.01	-0.0727	-0.0209	-0.0223	0.2680	0.3068	1.2212	-0.0051	0.4416	-0.0042	0.3616		
126	50.34	-0.02	-0.0508	-0.0131	-0.0145	0.2580	0.2844	1.1883	-0.0044	0.4274	-0.0037	0.3596		
127	50.51	-0.02	-0.0661	-0.0179	-0.0233	0.2714	0.3526	1.2349	-0.0063	0.4477	-0.0051	0.3626		
128	50.67	0.01	0.0176	0.0009	0.0149	0.0512	0.8436	1.1945	-0.0051	0.4314	-0.0043	0.3611		
129	50.85	-0.01	-0.0177	-0.0027	-0.0014	0.1526	0.0793	1.1846	-0.0041	0.4273	-0.0035	0.3607		
130	50.99	0.01	0.0307	0.0040	0.0227	0.1394	0.7385	1.1834	-0.0049	0.4279	-0.0041	0.3616		
131	51.15	0.02	0.0152	0.0060	0.0202	0.3949	1.3266	1.1036	-0.0003	0.3939	-0.0003	0.3569		
132	51.35	0.02	0.0231	0.0070	0.0262	0.3032	1.1335	1.1476	-0.0029	0.4140	-0.0025	0.3607		
133	51.53	0.03	0.0148	0.0063	0.0224	0.4259	1.5116	1.1414	-0.0022	0.4117	-0.0019	0.3607		
134	51.72	0.03	0.0315	0.0074	0.0294	0.2350	0.9331	1.1496	-0.0035	0.4152	-0.0030	0.3612		
135	51.88	0.02	-0.0097	0.0051	0.0145	-0.5261	-1.4893	1.1201	-0.0001	0.4025	-0.0001	0.3594		
136	52.06	0.02	-0.0147	0.0035	0.0172	-0.2392	-1.1670	1.1177	-0.0017	0.4040	-0.0015	0.3614		
137	52.23	0.01	-0.0124	0.0046	0.0168	-0.3712	-1.3511	1.1274	-0.0017	0.4081	-0.0015	0.3619		
138	52.36	0.01	-0.0229	0.0015	0.0133	-0.0655	-0.5783	1.1078	-0.0006	0.4008	-0.0005	0.3618		

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 170 1.00 1.7				0.0	RIWOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
139	52.54	0.01	-0.0244	0.0016	0.0151	-3.0656	-0.6187	1.1091	-0.0010	0.4012	-0.0009	0.3618
140	52.71	0.02	-0.0039	0.0035	0.0199	-0.9215	-5.2272	1.1566	-0.0044	0.4204	-0.0038	0.3635
141	52.90	0.01	-0.0052	0.0051	0.0206	-0.9813	-3.9549	1.1825	-0.0051	0.4301	-0.0043	0.3637
142	53.07	0.02	0.0017	0.0067	0.0254	3.9433	14.9300	1.1716	-0.0054	0.4269	-0.0046	0.3644
143	53.21	0.01	0.0113	0.0060	0.0288	0.5313	2.5479	1.1788	-0.0054	0.4292	-0.0046	0.3641
144	53.42	0.00	-0.0419	0.0029	0.0126	-0.9215	-0.2993	1.1685	-0.0045	0.4267	-0.0039	0.3651
145	53.55	0.01	-0.0062	0.0046	0.0259	-0.7423	-4.1746	1.1641	-0.0049	0.4231	-0.0042	0.3635
146	53.75	-0.01	-0.0179	0.0049	0.0283	-0.2739	-1.5805	1.1524	-0.0042	0.4290	-0.0036	0.3645
147	53.91	0.01	-0.0012	0.0051	0.0298	-4.2523	-24.6292	1.1746	-0.0047	0.4279	-0.0040	0.3643
148	54.05	0.00	-0.0059	0.0051	0.0307	-0.8649	-5.2030	1.1611	-0.0040	0.4228	-0.0035	0.3642
149	54.25	0.00	-0.0184	0.0038	0.0255	-0.2066	-1.3849	1.1937	-0.0067	0.4365	-0.0056	0.3657
150	54.39	-0.02	-0.0130	0.0042	0.0263	-0.3232	-2.0216	1.1669	-0.0048	0.4229	-0.0041	0.3625
151	54.56	-0.00	-0.0089	0.0042	0.0291	-0.4722	-3.2689	1.1898	-0.0063	0.4359	-0.0053	0.3664
152	54.69	-0.01	-0.0208	0.0037	0.0263	-0.1790	-1.2636	1.1491	-0.0045	0.4178	-0.0039	0.3636
153	54.84	-0.01	-0.0134	0.0035	0.0293	-0.2813	-2.1861	1.1346	-0.0039	0.4101	-0.0034	0.3614
154	55.01	-0.01	-0.0260	0.0030	0.0246	-0.1154	-0.9453	1.1747	-0.0053	0.4290	-0.0045	0.3652
155	55.18	-0.02	-0.0199	0.0037	0.0279	-0.1860	-1.4015	1.1790	-0.0054	0.4310	-0.0046	0.3655
156	55.31	-0.02	-0.0315	0.0025	0.0241	-0.0794	-0.7643	1.1413	-0.0038	0.4149	-0.0033	0.3635
157	55.48	-0.02	-0.0222	0.0032	0.0253	-0.1442	-1.2743	1.1883	-0.0064	0.4352	-0.0054	0.3662
158	55.62	-0.03	-0.0264	0.0023	0.0272	-0.0872	-1.0298	1.1397	-0.0043	0.4136	-0.0038	0.3629
159	55.91	-0.01	-0.0086	0.0034	0.0339	-0.3956	-3.9428	1.1875	-0.0047	0.4360	-0.0057	0.3672
160	55.96	-0.02	-0.0164	0.0024	0.0342	-0.1464	-2.0859	1.1971	-0.0073	0.4393	-0.0061	0.3670
161	56.13	-0.02	-0.0234	0.0033	0.0296	-0.1411	-1.2647	1.1846	-0.0067	0.4330	-0.0057	0.3658
162	56.27	-0.04	-0.0192	0.0030	0.0311	-0.1563	-1.6197	1.1543	-0.0054	0.4209	-0.0047	0.3644
163	56.41	0.01	-0.0234	0.0030	0.0298	-0.1263	-1.2733	1.1695	-0.0061	0.4280	-0.0052	0.3659
164	56.66	-0.04	-0.0307	0.0035	0.0268	-0.1141	-0.8725	1.2153	-0.0090	0.4465	-0.0074	0.3674
165	56.78	-0.07	-0.0173	0.0043	0.0325	-0.2457	-1.8788	1.1997	-0.0086	0.4399	-0.0072	0.3667
166	56.96	-0.06	-0.0178	0.0030	0.0296	-0.1696	-1.6626	1.1842	-0.0077	0.4320	-0.0065	0.3648
167	57.06	-0.09	-0.0182	0.0037	0.0315	-0.2034	-1.7308	1.1625	-0.0071	0.4243	-0.0061	0.3650
168	57.24	-0.06	-0.0080	0.0048	0.0360	-0.6003	-4.5019	1.1896	-0.0090	0.4356	-0.0067	0.3662
169	57.40	-0.07	-0.0243	0.0027	0.0290	-0.1112	-1.1931	1.1633	-0.0068	0.4235	-0.0059	0.3641
170	57.57	-0.01	-0.0226	0.0038	0.0314	-0.1682	-1.3894	1.2065	-0.0091	0.4429	-0.0076	0.3671
171	57.71	-0.07	-0.0163	0.0032	0.0326	-0.1750	-1.7416	1.2218	-0.0097	0.4504	-0.0080	0.3687
172	57.87	-0.09	-0.0242	0.0032	0.0283	-0.1323	-1.1690	1.1855	-0.0091	0.4331	-0.0077	0.3653
173	58.03	-0.03	-0.0180	0.0042	0.0304	-0.2315	-1.6887	1.2294	-0.0115	0.4556	-0.0094	0.3706
174	58.20	-0.01	-0.0240	0.0042	0.0271	-0.1751	-1.1286	1.2175	-0.0108	0.4504	-0.0089	0.3700
175	58.33	-0.00	-0.0209	0.0048	0.0283	-0.2298	-1.3536	1.2180	-0.0110	0.4507	-0.0090	0.3701
176	58.40	-0.01	-0.0250	0.0051	0.0264	-0.2041	-1.0554	1.1884	-0.0096	0.4361	-0.0081	0.3670

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 170 1.00 1.7			0.0	81WOF13	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.68	0.03	0.0521	9.9999	0.0229	9.9999	0.4390	-1.0041	-0.0489	-0.4275	0.0487	0.4257
2	-5.69	0.00	0.0498	9.9999	0.0222	9.9999	0.4452	-1.0039	-0.0492	-0.4262	0.0490	0.4246
3	-5.80	0.02	0.0520	9.9999	0.0232	9.9999	0.4457	-0.9799	-0.0493	-0.4130	0.0503	0.4276
4	-4.40	0.01	0.0498	9.9999	0.0222	9.9999	0.4452	-0.9069	-0.0434	-0.3942	0.0478	0.4347
5	-2.65	0.01	0.0454	9.9999	0.0193	9.9999	0.4243	-0.7571	-0.0403	-0.3260	0.0532	0.4304
6	-0.52	0.02	0.0510	9.9999	0.0214	9.9999	0.4190	-0.6215	-0.0364	-0.2591	0.0585	0.4169
7	0.99	0.01	0.0509	9.9999	0.0220	9.9999	0.4316	-0.4685	-0.0274	-0.1856	0.0586	0.3961
8	2.49	0.02	0.0519	9.9999	0.0241	9.9999	0.4639	-0.3247	-0.0146	-0.1132	0.0450	0.3485
9	4.68	0.01	0.0633	9.9999	0.0264	9.9999	0.4175	-0.1780	-0.0034	-0.0473	0.0191	0.2658
10	6.56	0.01	0.0658	9.9999	0.0224	9.9999	0.3405	-0.0588	0.0095	0.0054	-0.1619	-0.0923
11	8.41	0.02	0.0782	9.9999	0.0246	9.9999	0.3147	0.0684	0.0249	0.0606	0.3648	0.8872
12	10.26	0.01	0.0751	9.9999	0.0209	9.9999	0.2782	0.1992	0.0444	0.1194	0.2227	0.5994
13	12.18	0.01	0.0707	9.9999	0.0183	9.9999	0.2586	0.3237	0.0581	0.1895	0.1794	0.5854
14	14.07	0.01	0.0708	9.9999	0.0162	9.9999	0.2285	0.4447	0.0620	0.2670	0.1334	0.5745
15	16.04	0.01	0.0752	9.9999	0.0188	9.9999	0.2498	0.5953	0.0626	0.3357	0.1051	0.5638
16	18.02	0.00	0.0687	9.9999	0.0146	9.9999	0.2120	0.7269	0.0400	0.3975	0.0825	0.5469
17	19.98	-0.00	0.0721	9.9999	0.0142	9.9999	0.1965	0.8363	0.0550	0.4477	0.0657	0.5354
18	21.95	0.01	0.0755	9.9999	0.0150	9.9999	0.1982	0.9020	0.0508	0.4808	0.0563	0.5330
19	23.92	0.02	0.0821	9.9999	0.0180	9.9999	0.2190	0.8453	0.0430	0.4328	0.0508	0.5120
20	25.87	0.04	0.0823	9.9999	0.0151	9.9999	0.1831	0.8463	0.0337	0.4333	0.0399	0.5120
21	27.84	0.06	0.0888	9.9999	0.0201	9.9999	0.2262	0.8665	0.0274	0.4410	0.0317	0.5090
22	28.10	0.08	0.0935	9.9999	0.0222	9.9999	0.2374	0.8641	0.0262	0.4409	0.0304	0.5103
23	28.48	0.08	0.0857	9.9999	0.0191	9.9999	0.2227	0.8743	0.0264	0.4458	0.0302	0.5099
24	28.74	0.07	0.0901	9.9999	0.0211	9.9999	0.2341	0.8773	0.0254	0.4491	0.0290	0.5108
25	29.05	0.07	0.0912	9.9999	0.0221	9.9999	0.2423	0.8813	0.0251	0.4518	0.0285	0.5126
26	29.38	0.07	0.0967	9.9999	0.0256	9.9999	0.2648	0.8702	0.0239	0.4448	0.0275	0.5112
27	29.66	0.07	0.0957	9.9999	0.0241	9.9999	0.2516	0.8615	0.0221	0.4393	0.0257	0.5099
28	29.94	0.08	0.1091	9.9999	0.0313	9.9999	0.2872	0.8753	0.0224	0.4483	0.0256	0.5122
29	30.22	0.07	0.1024	9.9999	0.0286	9.9999	0.2795	0.8797	0.0211	0.4500	0.0240	0.5116
30	30.50	0.07	0.0870	9.9999	0.0201	9.9999	0.2309	0.8850	0.0207	0.4529	0.0234	0.5117
31	30.76	0.08	0.0935	9.9999	0.0252	9.9999	0.2696	0.8823	0.0211	0.4524	0.0239	0.5127
32	31.05	0.09	0.0968	9.9999	0.0268	9.9999	0.2770	0.8992	0.0206	0.4601	0.0229	0.5116
33	31.33	0.09	0.0968	9.9999	0.0268	9.9999	0.2770	0.8969	0.0199	0.4593	0.0222	0.5121
34	31.61	0.07	0.1000	9.9999	0.0297	9.9999	0.2972	0.8995	0.0197	0.4613	0.0219	0.5128
35	31.87	0.10	0.0978	9.9999	0.0290	9.9999	0.2968	0.8841	0.0198	0.4543	0.0224	0.5138
36	32.15	0.09	0.1078	9.9999	0.0339	9.9999	0.3148	0.8818	0.0190	0.4526	0.0216	0.5132
37	32.41	0.07	0.0866	9.9999	0.0248	9.9999	0.2865	0.8808	0.0189	0.4519	0.0215	0.5131
38	32.66	0.10	0.0933	9.9999	0.0275	9.9999	0.2949	0.8948	0.0184	0.4579	0.0206	0.5117
39	32.93	0.06	0.0766	9.9999	0.0210	9.9999	0.2741	0.9002	0.0177	0.4596	0.0197	0.5105
40	33.19	0.07	0.0866	9.9999	0.0248	9.9999	0.2865	0.9275	0.0170	0.4726	0.0184	0.5096
41	33.42	0.05	0.0743	9.9999	0.0215	9.9999	0.2893	0.9108	0.0169	0.4648	0.0186	0.5103
42	33.69	0.08	0.0755	9.9999	0.0207	9.9999	0.2741	0.9173	0.0168	0.4667	0.0183	0.5088
43	33.94	0.07	0.0664	9.9999	0.0175	9.9999	0.2633	0.9254	0.0162	0.4706	0.0175	0.5085
44	34.17	0.08	0.0864	9.9999	0.0269	9.9999	0.3115	0.9358	0.0159	0.4736	0.0170	0.5062
45	34.44	0.06	0.0797	9.9999	0.0235	9.9999	0.2949	0.9476	0.0153	0.4780	0.0162	0.5046
46	34.69	0.05	0.0653	9.9999	0.0175	9.9999	0.2677	0.9607	0.0146	0.4836	0.0152	0.5034

PAGE 3 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PMI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 170 1.00 1.7				0.0	BIVOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
47	34.91	0.06	0.0774	9.9999	0.0237	9.9999	0.3063	0.9113	0.0156	0.4602	0.0174	0.5050
48	35.17	0.07	0.0742	9.9999	0.0224	9.9999	0.3019	0.9410	0.0152	0.4740	0.0162	0.5038
49	35.41	0.07	0.0798	9.9999	0.0239	9.9999	0.2996	0.9447	0.0153	0.4751	0.0162	0.5030
50	35.63	0.09	0.0786	9.9999	0.0247	9.9999	0.3144	0.9539	0.0149	0.4791	0.0156	0.5022
51	35.89	0.08	0.0819	9.9999	0.0275	9.9999	0.3360	0.9721	0.0142	0.4856	0.0146	0.4995
52	36.12	0.06	0.0674	9.9999	0.0199	9.9999	0.2951	0.9465	0.0143	0.4728	0.0151	0.4996
53	36.35	0.07	0.0684	9.9999	0.0215	9.9999	0.3143	0.9763	0.0135	0.4871	0.0138	0.4989
54	36.58	0.06	0.0662	9.9999	0.0202	9.9999	0.3051	0.9762	0.0138	0.4859	0.0142	0.4977
55	36.82	0.06	0.0762	9.9999	0.0257	9.9999	0.3375	0.9751	0.0133	0.4845	0.0137	0.4969
56	37.07	0.05	0.0628	9.9999	0.0203	9.9999	0.3232	0.9818	0.0125	0.4873	0.0128	0.4963
57	37.31	0.06	0.0739	9.9999	0.0250	9.9999	0.3385	0.9377	0.0136	0.4666	0.0145	0.4976
58	37.53	0.06	0.0706	9.9999	0.0239	9.9999	0.3387	0.9496	0.0128	0.4712	0.0135	0.4963
59	37.77	0.05	0.0639	9.9999	0.0209	9.9999	0.3271	0.9689	0.0123	0.4798	0.0127	0.4941
60	38.00	0.04	0.0582	9.9999	0.0194	9.9999	0.3332	0.9601	0.0124	0.4737	0.0129	0.4934
61	38.24	0.06	0.0615	9.9999	0.0205	9.9999	0.3333	0.9523	0.0124	0.4699	0.0130	0.4935
62	38.46	0.05	0.0525	9.9999	0.0164	9.9999	0.3115	0.9382	0.0129	0.4626	0.0138	0.4931
63	38.71	0.07	0.0558	9.9999	0.0193	9.9999	0.3458	0.9692	0.0119	0.4752	0.0123	0.4904
64	38.91	0.05	0.0545	9.9999	0.0195	9.9999	0.3571	0.9821	0.0114	0.4791	0.0116	0.4878
65	39.14	0.07	0.0657	9.9999	0.0233	9.9999	0.3548	0.9794	0.0114	0.4777	0.0117	0.4877
66	39.36	0.06	0.0568	9.9999	0.0202	9.9999	0.3556	0.9716	0.0116	0.4722	0.0120	0.4860
67	39.56	0.05	0.0612	9.9999	0.0216	9.9999	0.3530	0.9676	0.0119	0.4683	0.0123	0.4840
68	39.79	0.08	0.0656	9.9999	0.0242	9.9999	0.3691	0.9817	0.0115	0.4724	0.0117	0.4812
69	39.99	0.07	0.0521	9.9999	0.0199	9.9999	0.3813	0.9739	0.0119	0.4674	0.0122	0.4799
70	40.21	0.07	0.0589	9.9999	0.0221	9.9999	0.3753	0.9739	0.0116	0.4655	0.0119	0.4780
71	40.38	0.07	0.0488	9.9999	0.0183	9.9999	0.3741	0.9817	0.0112	0.4674	0.0114	0.4761
72	40.60	0.06	0.0500	9.9999	0.0181	9.9999	0.3612	0.9855	0.0112	0.4679	0.0114	0.4748
73	40.82	0.06	0.0588	9.9999	0.0232	9.9999	0.3948	0.9750	0.0114	0.4627	0.0117	0.4744
74	41.00	0.04	0.0555	9.9999	0.0215	9.9999	0.3875	1.0175	0.0104	0.4607	0.0102	0.4724
75	41.22	0.05	0.0466	9.9999	0.0170	9.9999	0.3638	1.0008	0.0105	0.4723	0.0105	0.4720
76	41.42	0.06	0.0531	9.9999	0.0208	9.9999	0.3911	0.9736	0.0114	0.4583	0.0117	0.4707
77	41.61	0.03	0.0477	9.9999	0.0176	9.9999	0.3681	0.9967	0.0105	0.4679	0.0105	0.4695
78	41.81	0.02	0.0532	9.9999	0.0206	9.9999	0.3866	0.9981	0.0100	0.4673	0.0100	0.4682
79	42.01	0.03	0.0543	9.9999	0.0215	9.9999	0.3954	0.9929	0.0102	0.4636	0.0103	0.4665
80	42.21	0.03	0.0532	9.9999	0.0212	9.9999	0.3979	1.0344	0.0087	0.4838	0.0084	0.4677
81	42.40	0.03	0.0510	9.9999	0.0199	9.9999	0.3895	1.0225	0.0095	0.4761	0.0093	0.4656
82	42.57	0.03	0.0444	9.9999	0.0166	9.9999	0.3728	0.9840	0.0102	0.4595	0.0104	0.4670
83	42.76	0.03	0.0432	9.9999	0.0171	9.9999	0.3948	1.0188	0.0094	0.4748	0.0092	0.4681
84	42.94	0.01	0.0410	9.9999	0.0167	9.9999	0.4062	1.0111	0.0091	0.4701	0.0090	0.4650
85	43.12	0.01	0.0566	9.9999	0.0219	9.9999	0.3871	1.0214	0.0090	0.4753	0.0088	0.4654
86	43.30	0.01	0.0443	9.9999	0.0180	9.9999	0.4054	1.0474	0.0080	0.4658	0.0076	0.4648
87	43.47	0.02	0.0332	9.9999	0.0133	9.9999	0.3989	0.9712	0.0101	0.4512	0.0104	0.4646
88	43.67	0.02	0.0406	9.9999	0.0200	9.9999	0.4108	1.0135	0.0092	0.4712	0.0091	0.4649
89	43.82	0.02	0.0366	9.9999	0.0138	9.9999	0.3755	1.0250	0.0089	0.4745	0.0087	0.4630
90	44.01	0.02	0.0453	9.9999	0.0187	9.9999	0.4119	1.0357	0.0077	0.4800	0.0074	0.4634
91	44.23	0.01	0.0464	9.9999	0.0187	9.9999	0.4021	1.0044	0.0094	0.4648	0.0094	0.4628
92	44.37	0.00	0.0309	9.9999	0.0129	9.9999	0.4156	1.0006	0.0094	0.4624	0.0094	0.4621

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART WACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 170 1.00 1.7			0.0	81W0F13	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	44.57	0.00	0.0209	9.9999	0.0105	9.9999	0.5040	1.0614	0.0073	0.4914	0.0069	0.4630
94	44.75	0.00	0.0409	9.9999	0.0188	9.9999	0.4587	1.0471	0.0075	0.4828	0.0072	0.4611
95	44.94	-0.01	0.0365	9.9999	0.0162	9.9999	0.4425	1.0484	0.0073	0.4841	0.0070	0.4618
96	45.10	-0.00	0.0298	9.9999	0.0135	9.9999	0.4511	1.0160	0.0082	0.4684	0.0081	0.4610
97	45.29	-0.00	0.0464	9.9999	0.0211	9.9999	0.4540	1.0638	0.0071	0.4898	0.0067	0.4604
98	45.49	0.00	0.0431	9.9999	0.0195	9.9999	0.4515	1.0262	0.0083	0.4720	0.0081	0.4600
99	45.65	0.00	0.0409	9.9999	0.0186	9.9999	0.4587	1.0522	0.0074	0.4837	0.0070	0.4616
100	45.80	0.01	0.0275	9.9999	0.0139	9.9999	0.5034	1.0443	0.0075	0.4800	0.0072	0.4596
101	45.99	-0.00	0.0264	9.9999	0.0136	9.9999	0.5130	1.0523	0.0067	0.4828	0.0064	0.4588
102	46.18	0.00	0.0353	9.9999	0.0176	9.9999	0.4973	1.0235	0.0083	0.4708	0.0081	0.4600
103	46.34	0.01	0.0408	9.9999	0.0200	9.9999	0.4893	1.0213	0.0075	0.4700	0.0074	0.4602
104	46.49	0.01	0.0320	9.9999	0.0157	9.9999	0.4891	1.0004	0.0086	0.4603	0.0086	0.4601
105	46.68	0.02	0.0320	9.9999	0.0157	9.9999	0.4891	1.0145	0.0081	0.4658	0.0080	0.4591
106	46.85	0.02	0.0387	9.9999	0.0187	9.9999	0.4822	0.9874	0.0092	0.4537	0.0083	0.4594
107	47.03	0.02	0.0386	9.9999	0.0205	9.9999	0.5302	1.0031	0.0076	0.4616	0.0076	0.4602
108	47.18	0.02	0.0376	9.9999	0.0183	9.9999	0.4856	1.0044	0.0071	0.4620	0.0071	0.4599
109	47.36	0.03	0.0342	9.9999	0.0179	9.9999	0.5221	1.0009	0.0062	0.4594	0.0062	0.4590
110	47.53	0.05	0.0420	9.9999	0.0216	9.9999	0.5135	1.0110	0.0058	0.4632	0.0058	0.4586
111	47.72	0.05	0.0319	9.9999	0.0184	9.9999	0.5755	1.0126	0.0050	0.4646	0.0049	0.4587
112	47.88	0.06	0.0431	9.9999	0.0222	9.9999	0.5144	0.9354	0.0064	0.4306	0.0069	0.4603
113	48.09	0.05	0.0387	9.9999	0.0208	9.9999	0.5366	0.9837	0.0035	0.4503	0.0036	0.4580
114	48.26	0.05	0.0342	9.9999	0.0185	9.9999	0.5397	0.9852	0.0035	0.4518	0.0036	0.4583
115	48.41	0.03	0.0265	9.9999	0.0145	9.9999	0.5451	0.9184	0.0067	0.4216	0.0073	0.4591
116	48.62	0.04	0.0409	9.9999	0.0206	9.9999	0.5023	0.9330	0.0030	0.4524	0.0030	0.4555
117	48.75	0.02	0.0365	9.9999	0.0192	9.9999	0.5250	0.9669	0.0039	0.4428	0.0040	0.4580
118	48.94	0.02	0.0231	9.9999	0.0138	9.9999	0.5950	0.9522	0.0039	0.4476	0.0040	0.4557
119	49.13	0.02	0.0220	9.9999	0.0128	9.9999	0.5791	0.9938	0.0039	0.4543	0.0039	0.4571
120	49.30	0.02	0.0298	9.9999	0.0156	9.9999	0.5218	1.0007	0.0029	0.4560	0.0029	0.4565
121	49.46	0.02	0.0343	9.9999	0.0173	9.9999	0.5031	0.9903	0.0033	0.4524	0.0033	0.4578
122	49.65	-0.00	0.0175	9.9999	0.0113	9.9999	0.6478	0.9837	0.0033	0.4489	0.0034	0.4564
123	49.83	0.01	0.0288	9.9999	0.0144	9.9999	0.4981	0.9954	0.0027	0.4544	0.0027	0.4565
124	49.99	-0.00	0.0276	9.9999	0.0149	9.9999	0.5179	0.9969	0.0027	0.4560	0.0023	0.4574
125	50.15	-0.01	0.0288	9.9999	0.0153	9.9999	0.5295	0.9942	0.0027	0.4550	0.0027	0.4576
126	50.34	-0.02	0.0255	9.9999	0.0127	9.9999	0.4957	0.9957	0.0020	0.4556	0.0020	0.4583
127	50.51	-0.02	0.0221	9.9999	0.0123	9.9999	0.5538	1.0099	0.0015	0.4631	0.0015	0.4585
128	50.67	0.01	0.0333	9.9999	0.0170	9.9999	0.5091	0.9929	0.0024	0.4557	0.0024	0.4589
129	50.85	-0.01	0.0299	9.9999	0.0153	9.9999	0.5100	1.0020	0.0022	0.4589	0.0022	0.4580
130	50.99	0.01	0.0343	9.9999	0.0182	9.9999	0.5294	1.0201	0.0019	0.4667	0.0019	0.4575
131	51.15	0.02	0.0455	9.9999	0.0227	9.9999	0.4983	0.9917	0.0024	0.4539	0.0024	0.4577
132	51.35	0.02	0.0366	9.9999	0.0175	9.9999	0.4769	1.0060	0.0020	0.4605	0.0020	0.4577
133	51.53	0.03	0.0287	9.9999	0.0156	9.9999	0.5419	1.0033	0.0024	0.4582	0.0024	0.4567
134	51.72	0.03	0.0332	9.9999	0.0167	9.9999	0.5016	1.0018	0.0024	0.4569	0.0024	0.4560
135	51.88	0.02	0.0342	9.9999	0.0185	9.9999	0.5397	1.0495	-0.0011	0.4795	-0.0010	0.4569
136	52.06	0.02	0.0221	9.9999	0.0118	9.9999	0.5156	1.0222	-0.0006	0.4674	-0.0006	0.4573
137	52.23	0.01	0.0287	9.9999	0.0161	9.9999	0.5593	1.0235	-0.0006	0.4678	-0.0006	0.4571
138	52.36	0.01	0.0297	9.9999	0.0171	9.9999	0.5742	1.0026	0.0002	0.4568	0.0002	0.4556

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	170	1.00	1.7	0.0	81WOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
139	52.54	0.01	0.0321	9.9999	0.0163	9.9999	0.5063	0.9881	0.0008	0.4519	0.0008	0.4573
140	52.71	0.02	0.0309	9.9999	0.0168	9.9999	0.5422	0.9785	0.0022	0.4465	0.0023	0.4563
141	52.90	0.01	0.0366	9.9999	0.0183	9.9999	0.4989	0.9980	0.0011	0.4567	0.0011	0.4576
142	53.07	0.02	0.0344	9.9999	0.0174	9.9999	0.5045	0.9912	0.0019	0.4534	0.0019	0.4574
143	53.21	0.01	0.0321	9.9999	0.0166	9.9999	0.5157	0.9849	0.0018	0.4494	0.0018	0.4563
144	53.42	0.00	0.0310	9.9999	0.0157	9.9999	0.5048	1.0244	-0.0005	0.4556	-0.0005	0.4555
145	53.55	0.01	0.0321	9.9999	0.0160	9.9999	0.4989	0.9823	0.0018	0.4483	0.0018	0.4564
146	53.75	-0.01	0.0365	9.9999	0.0180	9.9999	0.4920	1.0016	0.0013	0.4563	0.0013	0.4555
147	53.91	0.01	0.0278	9.9999	0.0125	9.9999	0.4475	0.9739	0.0033	0.4434	0.0034	0.4553
148	54.06	0.00	0.0399	9.9999	0.0185	9.9999	0.4626	0.9767	0.0025	0.4441	0.0026	0.4547
149	54.25	0.00	0.0410	9.9999	0.0188	9.9999	0.4576	1.0261	0.0	0.4640	0.0	0.4522
150	54.39	-0.02	0.0288	9.9999	0.0134	9.9999	0.4633	0.9885	0.0013	0.4468	0.0013	0.4520
151	54.56	-0.00	0.0254	9.9999	0.0120	9.9999	0.4740	1.0043	0.0006	0.4556	0.0006	0.4536
152	54.69	-0.01	0.0275	9.9999	0.0139	9.9999	0.5034	0.9742	0.0019	0.4420	0.0020	0.4537
153	54.84	-0.01	0.0405	9.9999	0.0194	9.9999	0.4746	0.9479	0.0039	0.4302	0.0041	0.4538
154	55.01	-0.01	0.0287	9.9999	0.0131	9.9999	0.4544	1.0001	0.0013	0.4539	0.0013	0.4538
155	55.18	-0.02	0.0332	9.9999	0.0145	9.9999	0.4351	0.9960	0.0014	0.4506	0.0014	0.4525
156	55.31	-0.02	0.0309	9.9999	0.0147	9.9999	0.4740	0.9636	0.0027	0.4363	0.0028	0.4528
157	55.46	-0.02	0.0287	9.9999	0.0128	9.9999	0.4439	1.0103	0.0002	0.4563	0.0002	0.4516
158	55.62	-0.03	0.0275	9.9999	0.0133	9.9999	0.4815	0.9520	0.0032	0.4313	0.0034	0.4538
159	55.81	-0.01	0.0219	9.9999	0.0108	9.9999	0.4947	0.9805	0.0018	0.4435	0.0018	0.4523
160	55.96	-0.02	0.0383	9.9999	0.0191	9.9999	0.4977	1.0024	0.0013	0.4522	0.0013	0.4511
161	56.13	-0.02	0.0427	9.9999	0.0199	9.9999	0.4652	0.9988	0.0005	0.4513	0.0005	0.4519
162	56.27	-0.04	0.0284	9.9999	0.0133	9.9999	0.4663	0.9565	0.0024	0.4325	0.0025	0.4522
163	56.41	-0.01	0.0349	9.9999	0.0165	9.9999	0.4714	0.9860	0.0010	0.4454	0.0010	0.4518
164	56.66	-0.04	0.0261	9.9999	0.0134	9.9999	0.5112	1.0298	-0.0014	0.4638	-0.0014	0.4504
165	56.78	-0.07	0.0327	9.9999	0.0161	9.9999	0.4909	0.9976	0.0003	0.4505	0.0003	0.4516
166	56.96	-0.06	0.0316	9.9999	0.0152	9.9999	0.4794	0.9862	0.0003	0.4438	0.0003	0.4500
167	57.06	-0.09	0.0261	9.9999	0.0134	9.9999	0.5112	0.9669	0.0012	0.4358	0.0012	0.4507
168	57.24	-0.06	0.0283	9.9999	0.0135	9.9999	0.4750	0.9844	0.0013	0.4426	0.0013	0.4496
169	57.40	-0.07	0.0250	9.9999	0.0128	9.9999	0.5096	0.9667	0.0015	0.4353	0.0016	0.4503
170	57.57	-0.01	0.0251	9.9999	0.0118	9.9999	0.4716	1.0130	-0.0009	0.4554	-0.0009	0.4495
171	57.71	-0.07	0.0250	9.9999	0.0130	9.9999	0.5177	1.0068	-0.0007	0.4534	-0.0007	0.4503
172	57.87	-0.09	0.0259	9.9999	0.0142	9.9999	0.5461	0.9865	-0.0004	0.4433	-0.0004	0.4494
173	58.03	-0.03	0.0314	9.9999	0.0157	9.9999	0.4984	1.0456	-0.0032	0.4696	-0.0031	0.4492
174	58.20	-0.01	0.0248	9.9999	0.0139	9.9999	0.5582	1.0486	-0.0044	0.4706	-0.0042	0.4488
175	59.33	-0.00	0.0269	9.9999	0.0151	9.9999	0.5594	1.0395	-0.0040	0.4664	-0.0039	0.4487
176	59.40	-0.01	0.0161	9.9999	0.0098	9.9999	0.6106	1.0281	-0.0039	0.4594	-0.0038	0.4488

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 171 1.10 1.7				0.0	81W0F13	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	KCP
1	-5.71	0.03	-1.9596	7.1486	0.0132	-0.2499	-0.0139	0.8164	0.2543	0.5621	-3.6479
2	-5.71	0.01	-1.9375	7.1314	-0.0183	-0.2100	-0.0139	0.8193	0.2536	0.5657	-3.6807
3	-5.71	0.02	-1.9676	7.2063	0.1408	-0.3779	-0.0135	0.8285	0.2543	0.5742	-3.6624
4	-5.69	0.02	-1.9279	7.0869	0.1338	-0.3153	-0.0189	0.8158	0.2523	0.5635	-3.6722
5	-5.71	0.02	-1.9463	7.1768	0.1100	-0.3303	-0.0136	0.8232	0.2533	0.5699	-3.6874
6	-5.74	0.02	-1.9477	6.9190	0.1004	-0.3028	-0.0135	0.8222	0.2492	0.5730	-3.7447
7	-3.94	0.01	-1.5678	6.1914	0.0063	-0.1781	-0.0027	0.7881	0.2412	0.5469	-3.9427
8	-2.19	0.02	-1.2493	5.3632	0.1310	-0.3511	-0.0126	0.7570	0.2323	0.5247	-4.2928
9	-0.36	0.02	-0.8976	4.3643	0.1521	-0.3715	-0.0122	0.7339	0.2330	0.5099	-4.8624
10	1.47	0.02	-0.5600	3.3355	0.0574	-0.2552	-0.0121	0.6976	0.2316	0.4659	-5.9564
11	3.42	0.02	-0.1901	2.3117	0.1307	-0.3431	-0.0114	0.6799	0.2394	0.4404	-12.1605
12	5.21	0.01	0.1664	1.2854	0.0918	-0.2421	-0.0112	0.6543	0.2530	0.4013	7.7257
13	7.14	0.01	0.5078	0.3989	0.0353	-0.2362	-0.0055	0.6214	0.2688	0.3526	0.7659
14	9.00	0.02	0.9387	-0.6939	0.1766	-0.3232	0.0008	0.6101	0.2999	0.3203	-0.7383
15	10.94	0.02	1.1374	-1.7528	0.1252	-0.2581	0.0117	0.5730	0.3054	0.2676	-1.3106
16	12.86	0.02	1.8218	-2.9047	0.1242	-0.2864	0.0123	0.5307	0.3144	0.2163	-1.5944
17	14.83	0.01	2.2279	-3.8450	-0.0135	0.0097	0.0124	0.4863	0.3154	0.1709	-1.7259
18	16.87	0.01	2.6864	-4.6717	-0.0767	0.0668	0.0238	0.4406	0.3203	0.1204	-1.7390
19	18.98	0.00	3.2103	-5.4956	-0.0955	0.1409	0.0195	0.4110	0.3333	0.0777	-1.7119
20	20.89	0.02	3.6324	-5.8421	0.0874	-0.0114	0.0053	0.3683	0.3372	0.0311	-1.6083
21	22.92	0.02	4.3701	-6.1983	0.0540	-0.0160	-0.0342	0.3217	0.3331	-0.0114	-1.4184
22	24.92	0.02	4.9358	-6.3514	-0.0107	0.2634	-0.0539	0.2957	0.3325	-0.0368	-1.2868
23	27.01	0.06	5.7766	-6.4955	0.5345	-1.2175	0.0688	0.2654	0.3465	-0.0810	-1.1245
24	30.20	0.66	5.9535	-6.4376	0.5767	-1.2569	0.0751	0.2130	0.3554	-0.1424	-1.0804
25	28.36	0.03	6.1350	-6.5140	0.1960	-0.3801	0.0268	0.2519	0.3507	-0.0988	-1.0618
26	28.75	0.02	6.3048	-6.6321	0.1164	-0.3891	0.0537	0.2487	0.3582	-0.1095	-1.0519
27	29.06	0.04	6.3277	-6.7619	0.2947	-0.4266	0.0380	0.2552	0.3562	-0.1010	-1.0656
28	29.35	0.04	6.4903	-6.7306	0.3182	-0.5592	0.0547	0.2500	0.3631	-0.1131	-1.0370
29	29.66	0.06	6.5768	-6.7570	0.4721	-0.9154	0.0871	0.2541	0.3661	-0.1120	-1.0274
30	29.95	0.05	6.6652	-6.8749	0.4157	-0.9170	0.0767	0.2500	0.3666	-0.1166	-1.0315
31	30.24	0.06	6.8005	-6.8785	0.5547	-1.3424	0.1200	0.2537	0.3747	-0.1210	-1.0115
32	30.52	0.07	6.5878	-6.8142	0.5814	-1.2750	0.1099	0.2623	0.3777	-0.1154	-0.9893
33	30.78	0.08	7.0104	-6.9094	0.6877	-1.5125	0.1421	0.2556	0.3780	-0.1224	-0.9856
34	31.08	0.06	7.7006	-7.0540	0.4459	-0.9548	0.1209	0.2470	0.3807	-0.1337	-0.9796
35	31.34	0.05	7.2790	-7.1254	0.3819	-0.9032	0.1157	0.2369	0.3819	-0.1449	-0.9789
36	31.62	0.08	7.3222	-7.1204	0.6013	-1.2429	0.1323	0.2474	0.3848	-0.1374	-0.9724
37	31.90	0.07	7.4269	-6.9989	0.3976	-0.5301	0.0426	0.2463	0.3851	-0.1388	-0.9424
38	32.16	0.07	7.5105	-7.1697	0.5458	-0.9638	0.0801	0.2276	0.3811	-0.1535	-0.9546
39	32.44	0.06	7.6979	-7.2735	0.3989	-0.8066	0.0647	0.2311	0.3839	-0.1528	-0.9449
40	32.70	0.05	7.8075	-7.2272	0.2503	-0.5206	0.0648	0.2325	0.3859	-0.1534	-0.9257
41	32.97	0.04	7.9096	-7.2104	0.1260	-0.0439	0.0329	0.2278	0.3872	-0.1594	-0.9116
42	33.23	0.05	8.3045	-7.2832	0.2543	-0.3027	0.0339	0.2324	0.3912	-0.1598	-0.9099
43	33.49	0.04	8.1383	-7.3871	0.1612	-0.1954	0.0655	0.2319	0.3916	-0.1597	-0.9077
44	33.73	0.06	8.1917	-7.4426	0.3688	-0.5765	0.0923	0.2323	0.3916	-0.1593	-0.9086
45	33.98	0.05	8.3578	-7.4703	0.2823	-0.5339	0.1452	0.2309	0.3917	-0.1608	-0.8938
46	34.23	0.05	8.3536	-7.4245	0.2204	-0.1443	0.1080	0.2281	0.3902	-0.1621	-0.8887

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 171 1.10 1.7 0.0 8100F13 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CN	CLM	CY	CLM	CLL	CA	CAS	CAF	KCP
47	34.50	0.04	8.5435	-7.6589	0.1486	-0.2069	0.1348	0.2236	0.3953	-0.1717	-0.9000
48	34.73	0.07	8.5985	-7.6271	0.4456	-0.4669	0.1251	0.2152	0.3940	-0.1788	-0.8870
49	34.99	0.04	8.7886	-7.7720	0.1649	-0.1479	0.1043	0.2222	0.3947	-0.1725	-0.8843
50	35.25	0.07	8.8765	-7.7366	0.4509	-0.3975	0.1051	0.2147	0.3993	-0.1846	-0.8716
51	35.47	0.03	8.9375	-7.8081	0.1680	-0.0832	0.1046	0.2087	0.4017	-0.1930	-0.8736
52	35.71	0.06	9.0221	-7.8738	0.3036	-0.0254	0.0938	0.2044	0.4031	-0.1987	-0.8727
53	35.96	0.06	9.1264	-7.9793	0.3608	-0.2100	0.1001	0.2066	0.4013	-0.1947	-0.8743
54	36.20	0.03	9.2099	-7.7695	0.2574	-0.0564	0.0842	0.2094	0.3999	-0.1905	-0.8662
55	36.42	0.05	9.3097	-8.0029	0.2288	0.0350	-0.1053	0.1978	0.3962	-0.1984	-0.8596
56	36.69	0.07	9.4874	-7.9872	0.4060	-0.1739	0.1430	0.1906	0.3968	-0.2082	-0.8419
57	36.92	0.05	9.5638	-8.1586	0.2298	0.0726	0.0850	0.1911	0.3966	-0.2055	-0.8531
58	37.14	0.03	9.6047	-8.0561	0.1095	0.0847	0.0386	0.1896	0.3949	-0.2053	-0.8388
59	37.38	0.05	9.5955	-8.0918	0.2995	-0.0970	0.1276	0.2030	0.4013	-0.1983	-0.8433
60	37.62	0.03	9.8177	-8.2485	0.0401	0.2633	0.0856	0.1960	0.3996	-0.2036	-0.8402
61	37.83	0.03	9.8284	-8.2314	0.0325	0.3129	0.1117	0.2063	0.4013	-0.1930	-0.8375
62	38.10	0.03	9.9126	-8.2295	0.0751	0.2831	0.0911	0.1814	0.3925	-0.2111	-0.8302
63	38.34	0.04	10.0962	-8.2540	0.1428	0.3143	0.0603	0.1804	0.3877	-0.2073	-0.8175
64	38.55	0.04	10.0349	-7.9976	0.1100	0.3267	0.0656	0.1746	0.3848	-0.2102	-0.7970
65	38.80	0.04	10.1692	-8.1780	0.0836	0.4639	0.0446	0.1837	0.3884	-0.2047	-0.8042
66	39.03	0.03	10.2526	-8.2280	0.0473	0.3581	0.0453	0.1776	0.3945	-0.2169	-0.8025
67	39.24	0.02	10.3661	-8.3523	-0.0277	0.4387	0.0194	0.1584	0.3912	-0.2328	-0.8057
68	39.48	0.01	10.4314	-8.3252	-0.0082	0.4109	0.0407	0.1733	0.3956	-0.2223	-0.7981
69	39.70	0.02	10.4390	-8.3965	0.0080	0.7217	0.0394	0.1893	0.3935	-0.2042	-0.8043
70	39.98	0.00	10.6551	-8.3788	-0.1305	0.5921	0.0046	0.1603	0.4002	-0.2399	-0.7864
71	40.13	0.01	10.7103	-8.3579	-0.0533	0.8191	0.0090	0.1763	0.3959	-0.2196	-0.7804
72	40.35	-0.01	10.6849	-8.3089	-0.1657	0.7937	-0.0011	0.1837	0.4037	-0.2200	-0.7774
73	40.56	0.01	10.8996	-8.3958	-0.0216	0.5475	-0.0310	0.1471	0.4053	-0.2582	-0.7703
74	40.76	0.01	10.7532	-8.1674	-0.0636	0.8389	-0.0323	0.2008	0.3979	-0.1971	-8.7595
75	40.99	-0.00	10.9457	-8.2763	-0.1612	0.8661	-0.0576	0.1868	0.4120	-0.2252	-0.7561
76	41.21	0.01	11.0498	-8.3817	0.0101	0.5368	-0.0408	0.1648	0.4077	-0.2429	-0.7585
77	41.42	0.01	11.1947	-8.3414	-0.0114	0.7638	-0.0671	0.1815	0.4214	-0.2399	-0.7451
78	41.60	-0.01	11.0807	-7.9732	-0.2932	1.3983	-0.0688	0.1912	0.4278	-0.2366	-0.7196
79	41.81	-0.01	11.1734	-8.1948	-0.1416	0.5562	-0.0245	0.1353	0.4012	-0.2659	-0.7334
80	42.00	-0.00	11.2994	-8.3416	-0.0793	0.3037	-0.0075	0.1259	0.3979	-0.2720	-0.7382
81	42.20	-0.01	11.3262	-8.0697	-0.1187	0.8191	-0.0614	0.1505	0.4033	-0.2528	-0.7125
82	42.40	-0.01	11.3894	-7.8882	-0.1845	1.0508	-0.0879	0.1797	0.3901	-0.2104	-0.6926
83	42.58	-0.03	11.5372	-8.1532	-0.3070	1.0445	-0.0822	0.1640	0.4019	-0.2379	-0.7067
84	42.78	0.00	11.5273	-8.0694	-0.0957	0.8634	-0.0758	0.1499	0.3934	-0.2435	-0.7000
85	42.97	-0.02	11.7191	-8.4218	-0.1617	0.4359	-0.0055	0.1253	0.3969	-0.2715	-0.7186
86	43.14	-0.01	11.7984	-8.2154	-0.2058	1.0885	-0.0807	0.1581	0.4031	-0.2450	-0.6963
87	43.31	-0.00	11.9432	-8.3635	-0.1616	0.8634	-0.0590	0.1422	0.3978	-0.2556	-0.7062
88	43.50	-0.02	11.8741	-8.3468	-0.2193	1.0360	-0.0960	0.1698	0.4120	-0.2422	-0.7029
89	43.70	-0.00	11.9537	-8.3584	-0.0778	0.7615	-0.0687	0.1309	0.3880	-0.2571	-0.6992
90	43.87	-0.01	12.0072	-8.5383	-0.0888	0.3305	-0.0251	0.1235	0.3755	-0.2520	-0.7111
91	44.04	-0.01	12.0784	-8.2874	-0.1489	0.6691	-0.0624	0.1157	0.3707	-0.2550	-0.6561
92	44.22	0.01	12.0514	-8.2904	0.0801	0.1629	-0.0243	0.1316	0.3758	-0.2442	-0.6879

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 171 1.10 1.7 0.0 81WOF13 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	XCP
93	44.40	-0.01	12.1877	-8.2553	-0.1392	0.6676	-0.0568	0.1147	0.3754	-0.2607	-0.6773
94	44.59	-0.02	12.2852	-8.2918	-0.2582	0.9222	-0.0677	0.1039	0.3690	-0.2631	-0.6749
95	44.78	-0.02	12.2922	-8.3218	-0.1972	0.6017	-0.0299	0.1000	0.3764	-0.2764	-0.6770
96	44.95	-0.01	12.3229	-8.2913	-0.0763	0.1321	-0.0229	0.1030	0.3695	-0.2665	-0.6728
97	45.14	-0.01	12.3559	-8.2785	-0.1313	0.5615	-0.0453	0.1093	0.3641	-0.2548	-0.6700
98	45.31	-0.03	12.4418	-8.3051	-0.3340	1.1923	-0.0995	0.1212	0.3733	-0.2521	-0.6675
99	45.52	-0.01	12.6446	-8.1441	-0.1671	0.7443	-0.0814	0.0977	0.3669	-0.2692	-0.6441
100	45.69	-0.02	12.6654	-8.1202	-0.2745	1.2591	-0.1095	0.1110	0.3722	-0.2612	-0.6411
101	45.85	0.00	12.5790	-8.0938	-0.1458	-0.5756	0.0580	0.0926	0.3593	-0.2663	-0.6434
102	46.04	-0.02	12.6263	-7.9202	-0.1736	0.6285	-0.0495	0.0973	0.3681	-0.2708	-0.6273
103	46.20	-0.01	12.6526	-7.8240	-0.0765	0.3682	-0.0223	0.0832	0.3630	-0.2847	-0.6184
104	46.39	-0.02	12.7881	-7.7724	-0.2941	1.1202	-0.0980	0.0898	0.3707	-0.2808	-0.6078
105	46.56	-0.02	12.8050	-7.7958	-0.3249	1.3307	-0.1407	0.1204	0.3864	-0.2660	-0.6088
106	46.71	-0.01	12.7889	-7.5157	-0.1787	0.7479	-0.0701	0.0977	0.3755	-0.2778	-0.5877
107	46.91	-0.03	12.9404	-7.5801	-0.3468	1.1610	-0.1192	0.1243	0.3915	-0.2672	-0.5858
108	47.08	-0.02	12.9692	-7.8062	-0.1684	0.7290	-0.0401	0.1083	0.3868	-0.2785	-0.6019
109	47.25	-0.01	12.9621	-7.3191	-0.1269	0.8872	-0.0854	0.1356	0.3859	-0.2533	-0.5646
110	47.42	-0.03	13.0545	-7.6064	-0.2954	0.9758	-0.0534	0.1322	0.3846	-0.2524	-0.5827
111	47.61	-0.02	13.0951	-7.3330	-0.1960	0.9777	-0.0322	0.1421	0.3732	-0.2311	-0.5600
112	47.78	-0.02	13.1136	-7.3591	-0.2340	0.9463	-0.0325	0.1423	0.3980	-0.2557	-0.5612
113	47.95	-0.02	13.2853	-7.6242	-0.1735	0.8713	-0.0002	0.1545	0.4053	-0.2508	-0.5739
114	48.12	-0.01	13.2921	-7.5292	-0.1044	0.9177	0.0363	0.1558	0.3979	-0.2421	-0.5664
115	48.29	-0.01	13.2701	-7.1554	-0.1861	1.0695	0.0518	0.1393	0.3944	-0.2551	-0.5392
116	48.47	-0.00	13.3025	-7.0031	-0.1257	1.1527	0.0673	0.1312	0.4077	-0.2695	-0.5264
117	48.64	-0.03	13.2142	-6.7128	-0.1470	1.1742	0.0557	0.1402	0.4018	-0.2616	-0.5080
118	48.80	-0.02	13.4256	-7.2710	-0.1118	0.9904	0.0630	0.1469	0.4063	-0.2594	-0.5416
119	48.96	0.00	13.3048	-6.6541	0.0317	0.9785	0.0576	0.1356	0.3994	-0.2638	-0.5001
120	49.15	-0.01	13.4480	-7.0315	-0.1301	1.0639	0.0682	0.1237	0.4022	-0.2745	-0.5229
121	49.31	0.01	13.4758	-7.0294	0.0516	1.1563	0.0571	0.1357	0.4126	-0.2769	-0.5216
122	49.49	0.01	13.4503	-6.6766	0.0985	1.1880	0.0414	0.1231	0.4157	-0.2927	-0.4964
123	49.65	0.01	13.5403	-7.1520	0.0136	1.0511	0.0526	0.1417	0.4174	-0.2757	-0.5282
124	49.87	0.02	13.7258	-7.0659	0.0921	1.0626	0.0373	0.1193	0.4205	-0.3013	-0.5148
125	50.02	0.01	13.6393	-6.9708	0.0861	1.3852	0.0411	0.1276	0.4249	-0.2974	-0.5111
126	50.18	-0.01	13.7109	-7.1297	-0.0953	1.3128	0.0471	0.1190	0.4193	-0.3004	-0.5200
127	50.38	0.03	13.9732	-7.1042	0.2237	1.0233	0.0329	0.1071	0.4327	-0.3257	-0.5084
128	50.56	0.03	14.0573	-7.4435	0.1707	1.3047	0.0267	0.1228	0.4380	-0.3153	-0.5295
129	50.72	0.03	13.9981	-7.1733	0.1950	1.1300	0.0222	0.1155	0.4311	-0.3157	-0.5125
130	50.90	0.03	13.9987	-6.7955	0.2498	1.1152	0.0224	0.0829	0.4183	-0.3354	-0.4854
131	51.06	0.03	14.0595	-6.9335	0.1580	1.0508	0.0178	0.0862	0.4135	-0.3273	-0.4932
132	51.25	0.03	14.0089	-6.8182	0.1847	1.1550	0.0329	0.0915	0.4220	-0.3305	-0.4867
133	51.40	0.01	14.0535	-7.0138	0.0577	1.2562	0.0328	0.0817	0.4271	-0.3454	-0.4980
134	51.56	0.04	14.0662	-6.7340	0.2746	1.1839	0.0224	0.0688	0.4167	-0.3479	-0.4787
135	51.77	0.02	14.4282	-7.3781	0.1635	1.1581	0.0235	0.0770	0.4322	-0.3552	-0.5114
136	51.94	0.05	14.4360	-7.0674	0.3672	1.0420	0.0239	0.0709	0.4269	-0.3560	-0.4896
137	52.09	0.04	14.3519	-6.9211	0.2742	1.1676	0.0286	0.0597	0.4238	-0.3641	-0.4822
138	52.28	0.04	14.4667	-7.1859	0.2786	1.0230	0.0294	0.0611	0.4255	-0.3644	-0.4967

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(INSROC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	RK10-6	PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	171	1.10	1.7	0.0	BIWOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP	
139	52.44	0.03	14.4987	-7.1847	0.1871	1.1930	0.0342	0.0460	0.4259	-0.3799	-0.4955	
140	52.62	0.02	14.4585	-7.2111	0.2150	1.0743	0.0292	0.0515	0.4109	-0.3734	-0.4987	
141	52.77	0.01	14.5232	-7.1713	0.0681	1.0258	0.0247	0.0317	0.4209	-0.3892	-0.4937	
142	52.93	0.03	14.4614	-6.9155	0.2691	1.0436	0.0242	0.0333	0.4242	-0.3909	-0.4782	
143	53.12	0.02	14.5952	-7.1407	0.1567	1.0264	0.0249	0.0404	0.4217	-0.3813	-0.4898	
144	53.28	0.02	14.6247	-7.1101	0.1058	1.1016	0.0352	0.0344	0.4167	-0.3823	-0.4912	
145	53.44	0.00	14.6317	-7.1068	0.0599	1.0710	0.0302	0.0339	0.4193	-0.3854	-0.4919	
146	53.60	0.02	14.5948	-7.2054	0.2231	1.0112	0.0300	0.0233	0.4156	-0.3923	-0.4937	
147	53.79	0.02	14.7324	-7.3108	0.1332	0.9833	0.0359	0.0241	0.4200	-0.3959	-0.4962	
148	53.94	0.02	14.6806	-7.1894	0.1761	0.9534	0.0306	0.0182	0.4190	-0.4008	-0.4897	
149	54.07	0.03	14.5674	-6.9325	0.3221	0.9457	0.0160	0.0085	0.3891	-0.3806	-0.4759	
150	54.22	0.00	14.5212	-6.8502	0.1179	0.4483	0.0010	-0.0006	0.3942	-0.3943	-0.4717	
151	54.39	0.01	14.6549	-7.0434	0.1538	0.5436	0.0061	0.0064	0.3932	-0.3868	-0.4806	
152	54.55	0.01	14.6243	-6.9415	0.2049	0.4132	0.0065	-0.0101	0.3939	-0.4040	-0.4747	
153	54.69	-0.00	14.5641	-6.9167	0.0900	0.3339	0.0016	-0.0183	0.3871	-0.4054	-0.4749	
154	54.85	0.00	14.6506	-6.9581	0.1237	0.3396	0.0070	-0.0255	0.3861	-0.4116	-0.4749	
155	55.00	-0.00	14.5899	-6.9597	0.1034	0.3776	0.0015	-0.0196	0.3851	-0.4047	-0.4770	
156	55.15	0.00	14.6041	-6.8903	0.1367	0.3747	0.0057	-0.0294	0.3871	-0.4165	-0.4718	
157	55.32	-0.01	14.7790	-7.3010	0.0570	0.3370	0.0073	-0.0262	0.4023	-0.4285	-0.4940	
158	55.47	-0.02	14.8246	-7.2449	-0.0026	0.2526	0.0027	-0.0435	0.3915	-0.4350	-0.4887	
159	55.63	-0.01	14.8124	-7.3191	0.0761	0.2726	0.0076	-0.0379	0.3941	-0.4320	-0.4941	
160	55.78	-0.01	14.8196	-7.3223	0.0698	0.1472	0.0029	-0.0342	0.3978	-0.4320	-0.4941	
161	55.96	-0.02	14.8415	-7.4384	-0.0430	0.1218	0.0032	-0.0657	0.3923	-0.4580	-0.5012	
162	56.11	-0.01	14.7376	-7.2783	0.0900	0.3256	0.0070	-0.0682	0.3842	-0.4524	-0.4939	
163	56.30	0.01	14.9423	-7.5639	0.2653	0.2737	0.0071	-0.0443	0.4067	-0.4510	-0.5098	
164	56.44	-0.05	14.7790	-7.3807	-0.1446	0.0776	-0.0074	-0.0621	0.4111	-0.4732	-0.4994	
165	56.62	-0.05	15.0910	-7.8374	-0.1306	0.1191	0.0091	-0.0628	0.4138	-0.4766	-0.5193	
166	56.79	-0.05	15.2956	-8.0226	-0.0481	-0.1520	0.0206	-0.0648	0.4275	-0.4924	-0.5245	
167	56.96	-0.08	15.2650	-7.9726	-0.2821	-0.4562	0.0100	-0.0718	0.4320	-0.5039	-0.5223	
168	57.11	-0.09	15.4163	-8.2556	-0.4275	-0.2835	0.0205	-0.0761	0.4299	-0.5061	-0.5355	
169	57.25	-0.09	15.2547	-8.0649	-0.4082	-0.3202	0.0307	-0.0646	0.4348	-0.4995	-0.5287	
170	57.40	-0.05	15.1904	-7.8848	-0.1693	0.2382	0.0511	-0.1001	0.4138	-0.5139	-0.5191	
171	57.51	-0.07	14.9165	-7.4512	-0.3269	0.2098	0.0554	-0.1068	0.3943	-0.5011	-0.5029	
172	57.69	-0.09	15.2287	-7.9637	-0.3552	-0.0394	0.0251	-0.1006	0.4186	-0.5192	-0.5233	
173	57.82	-0.05	15.1847	-8.0217	-0.0545	-0.0819	0.0200	-0.1150	0.4213	-0.5363	-0.5283	
174	57.98	-0.01	15.2332	-8.1100	-0.1732	-0.2695	0.0399	-0.1109	0.4272	-0.5381	-0.5324	
175	58.13	-0.05	15.3084	-8.3343	-0.0667	0.3025	0.0349	-0.1376	0.4223	-0.5601	-0.5444	
176	58.27	-0.03	15.2498	-8.3974	-0.1746	-0.0041	0.0125	-0.1495	0.4052	-0.5547	-0.5507	
177	58.40	-0.04	15.0704	-8.0875	-0.0054	-0.1909	-0.0014	-0.1156	0.4305	-0.5461	-0.5366	
178	58.53	-0.06	15.2684	-8.3918	-0.0863	-0.2179	-0.0063	-0.1305	0.4363	-0.5668	-0.5496	
179	58.54	0.03	15.2445	-8.3432	0.5945	0.3527	0.0331	-0.1287	0.4350	-0.5637	-0.5473	
180	58.54	-0.05	15.2108	-8.2421	0.0212	-0.2823	0.0096	-0.1160	0.4343	-0.5503	-0.5419	

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	171	1.10	1.7	0.0	01WOF13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.71	0.03	0.0229	0.0044	0.0400	0.1922	1.7436	-0.9351	-0.0287	-0.4402	0.0307	0.4708
2	-5.71	0.01	0.0247	0.0047	0.0410	0.1904	1.6571	-0.9328	-0.0283	-0.4400	0.0304	0.4717
3	-5.71	0.02	0.0133	0.0037	0.0370	0.2783	2.7758	-0.9548	-0.0272	-0.4506	0.0285	0.4720
4	-5.69	0.02	0.0099	0.0038	0.0332	0.3840	3.3541	-0.9362	-0.0287	-0.4414	0.0307	0.4714
5	-5.71	0.02	0.0172	0.0042	0.0378	0.2443	2.1930	-0.9362	-0.0279	-0.4414	0.0298	0.4714
6	-5.74	0.02	0.0155	0.0044	0.0356	0.2940	2.2977	-0.9000	-0.0297	-0.4259	0.0330	0.4733
7	-3.94	0.01	-0.0032	0.0026	0.0276	-0.8129	-8.6212	-0.7929	-0.0315	-0.3795	0.0398	0.4788
8	-2.19	0.02	0.0184	0.0060	0.0359	0.3263	1.9519	-0.6514	-0.0284	-0.3197	0.0437	0.4908
9	-0.36	0.02	0.0233	0.0055	0.0369	0.2362	1.5801	-0.5045	-0.0293	-0.2507	0.0562	0.4970
10	1.47	0.02	0.0236	0.0056	0.0354	0.2374	1.5005	-0.3445	-0.0243	-0.1754	0.0706	0.5092
11	3.42	0.02	0.0140	0.0039	0.0329	0.2797	2.3504	-0.1932	-0.0145	-0.1062	0.0752	0.5499
12	5.21	0.01	0.0001	0.0026	0.0321	26.0138	321.0237	-0.0502	-0.0027	-0.0492	0.0538	0.9792
13	7.14	0.01	-0.0003	0.0021	0.0340	-7.0037	-113.3616	0.0801	0.0111	0.0065	0.1388	0.0815
14	9.00	0.02	0.0094	0.0021	0.0364	0.2235	1.8741	0.2219	0.0279	0.0712	0.1259	0.3209
15	10.94	0.02	0.0281	0.0012	0.0452	0.0427	1.6065	0.3610	0.0405	0.1312	0.1121	0.3635
16	12.86	0.02	0.0232	0.0018	0.0440	0.0776	1.8940	0.4999	0.0463	0.2008	0.0974	0.4018
17	14.83	0.01	0.0045	0.0019	0.0356	0.4224	7.9141	0.6560	0.0467	0.2727	0.0711	0.4157
18	16.87	0.01	0.0100	0.0018	0.0444	0.1801	4.4341	0.7641	0.0476	0.3240	0.0623	0.4241
19	18.98	0.00	-0.0027	-0.0029	0.0473	-1.0746	17.5002	0.6749	0.0460	0.3737	0.0525	0.4272
20	20.89	0.02	-0.0269	-0.0032	0.0271	0.1190	-1.0069	0.9667	0.0440	0.4125	0.0455	0.4267
21	22.92	0.02	-0.0313	0.0042	0.0098	-0.1343	-0.3141	1.0632	0.0339	0.4541	0.0319	0.4271
22	24.92	0.02	-0.0843	-0.0064	-0.0106	0.0760	0.1263	1.1221	0.0306	0.4782	0.0273	0.4261
23	27.01	0.06	0.1288	0.0171	0.0771	0.1329	0.5986	1.2199	0.0199	0.5150	0.0163	0.4222
24	30.20	0.66	0.1822	0.0165	0.0797	0.0907	0.5473	1.2320	0.0177	0.5200	0.0144	0.4221
25	25.36	0.03	0.1355	0.0095	0.0871	0.0702	0.6424	1.2364	0.0189	0.5208	0.0153	0.4212
26	28.75	0.02	0.1181	0.0064	0.0890	0.0543	0.7532	1.2409	0.0184	0.5222	0.0148	0.4208
27	29.06	0.04	0.1084	0.0060	0.0807	0.0554	0.7448	1.2473	0.0174	0.5239	0.0140	0.4201
28	29.35	0.04	0.1211	0.0069	0.0813	0.0562	0.6716	1.2552	0.0153	0.5270	0.0122	0.4198
29	29.66	0.06	0.1803	0.0112	0.1055	0.0622	0.5854	1.2748	0.0136	0.5323	0.0107	0.4176
30	29.95	0.05	0.1837	0.0106	0.1079	0.0578	0.5877	1.2782	0.0126	0.5336	0.0099	0.4175
31	30.24	0.06	0.1734	0.0120	0.1095	0.0693	0.6319	1.2871	0.0122	0.5332	0.0095	0.4143
32	30.52	0.07	0.2341	0.0159	0.1314	0.0680	0.5614	1.2928	0.0099	0.5349	0.0077	0.4138
33	30.78	0.08	0.2206	0.0106	0.1402	0.0481	0.6354	1.2955	0.0113	0.5343	0.0087	0.4124
34	31.08	0.06	0.3016	0.0112	0.1723	0.0372	0.5714	1.3140	0.0110	0.5393	0.0084	0.4104
35	31.34	0.05	0.1846	0.0089	0.1235	0.0483	0.6692	1.3260	0.0111	0.5419	0.0084	0.4087
36	31.62	0.08	0.1846	0.0082	0.1238	0.0445	0.6708	1.3326	0.0105	0.5440	0.0079	0.4082
37	31.90	0.07	0.0282	0.0015	0.0418	0.0532	1.4799	1.3238	0.0114	0.5413	0.0086	0.4089
38	32.16	0.07	0.2371	0.0080	0.1425	0.0338	0.6009	1.3456	0.0092	0.5432	0.0068	0.4074
39	32.44	0.06	0.1344	0.0107	0.0909	0.0797	0.6760	1.3511	0.0091	0.5505	0.0067	0.4074
40	32.70	0.05	0.1011	0.0071	0.0832	0.0703	0.8234	1.3490	0.0091	0.5489	0.0068	0.4069
41	32.97	0.04	0.1283	0.0071	0.0910	0.0554	0.7090	1.3444	0.0087	0.5463	0.0065	0.4064
42	33.23	0.05	0.0193	0.0035	0.0349	0.1814	1.8089	1.3454	0.0087	0.5459	0.0065	0.4063
43	33.49	0.04	0.0730	0.0037	0.0681	0.0538	0.9330	1.3660	0.0079	0.5535	0.0058	0.4052
44	33.73	0.06	0.1834	0.0079	0.1211	0.0431	0.6604	1.3586	0.0068	0.5514	0.0050	0.4058
45	33.98	0.05	0.2074	0.0057	0.1376	0.0275	0.6633	1.3673	0.0068	0.5530	0.0050	0.4044
46	34.23	0.05	0.1752	0.0034	0.1300	0.0194	0.7424	1.3609	0.0067	0.5503	0.0049	0.4043

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH AX10-6			PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 171 1.10 1.7			0.0 BIWOF13		0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	34.50	0.04	0.2094	0.0063	0.1372	0.0301	0.6551	1.3836	0.0062	0.5576	0.0045	0.4030
48	34.73	0.07	0.2143	0.0052	0.1440	0.0243	0.6719	1.3805	0.0062	0.5554	0.0045	0.4023
49	34.99	0.04	0.2166	0.0066	0.1417	0.0305	0.6541	1.3848	0.0059	0.5574	0.0043	0.4025
50	35.25	0.07	0.1210	0.0037	0.0991	0.0306	0.8190	1.3783	0.0363	0.5553	0.0046	0.4029
51	35.47	0.03	0.1910	0.0051	0.1353	0.0267	0.7082	1.3805	0.0063	0.5554	0.0046	0.4023
52	35.71	0.06	0.1999	0.0055	0.1354	0.0276	0.6772	1.3892	0.0254	0.5582	0.0039	0.4018
53	35.96	0.06	0.1894	0.0061	0.1383	0.0323	0.7301	1.3979	0.0063	0.5581	0.0045	0.3992
54	36.20	0.05	0.1703	0.0058	0.1275	0.0341	0.7490	1.3833	0.0054	0.5559	0.0039	0.4019
55	36.42	0.05	0.1439	0.0048	0.1137	0.0334	0.7897	1.4060	0.0063	0.5603	0.0045	0.3985
56	36.69	0.07	0.2353	0.0118	0.1607	0.0502	0.6827	1.3997	0.0066	0.5545	0.0047	0.3961
57	36.92	0.05	0.1650	0.0068	0.1288	0.0413	0.7818	1.4029	0.0061	0.5573	0.0044	0.3972
58	37.14	0.03	0.1093	0.0054	0.0913	0.0495	0.8351	1.4114	0.0050	0.5632	0.0035	0.3990
59	37.38	0.05	0.2298	0.0121	0.1580	0.0527	0.6877	1.4006	0.0063	0.5552	0.0045	0.3963
60	37.62	0.03	0.1428	0.0068	0.1141	0.0477	0.7986	1.4245	0.0059	0.5622	0.0041	0.3947
61	37.83	0.03	0.1890	0.0116	0.1369	0.0615	0.7242	1.4225	0.0066	0.5601	0.0042	0.3937
62	38.10	0.03	0.1806	0.0121	0.1339	0.0671	0.7418	1.4118	0.0063	0.5540	0.0045	0.3924
63	38.34	0.04	0.1466	0.0090	0.1193	0.0615	0.8135	1.4182	0.0060	0.5573	0.0042	0.3930
64	38.55	0.04	0.1390	0.0106	0.1113	0.0764	0.8002	1.4139	0.0064	0.5511	0.0045	0.3906
65	38.80	0.04	0.1243	0.0075	0.1060	0.0604	0.8530	1.4217	0.0057	0.5557	0.0040	0.3909
66	39.03	0.03	0.1246	0.0088	0.1041	0.0707	0.8356	1.4176	0.0049	0.5518	0.0035	0.3892
67	39.24	0.02	0.0895	0.0052	0.0850	0.0582	0.9505	1.4358	0.0044	0.5605	0.0031	0.3904
68	39.48	0.01	0.1145	0.0077	0.1000	0.0673	0.8734	1.4316	0.0036	0.5574	0.0025	0.3893
69	39.70	0.02	0.1203	0.0078	0.1060	0.0649	0.8813	1.4298	0.0020	0.5552	0.0014	0.3883
70	39.90	0.02	0.0682	0.0026	0.0721	0.0352	1.0577	1.4405	0.0019	0.5587	0.0013	0.3878
71	40.13	0.01	0.0728	0.0026	0.0797	0.0358	1.0957	1.4429	-0.0002	0.5593	-0.0001	0.3876
72	40.35	-0.01	0.0775	0.0038	0.0807	0.0491	1.0421	1.4292	-0.0008	0.5522	-0.0006	0.3863
73	40.58	-0.01	0.0402	0.0022	0.0572	0.0050	1.4224	1.4409	-0.0013	0.5590	-0.0009	0.3872
74	40.76	-0.01	0.0458	-0.0021	0.0657	-0.0459	1.4325	1.4031	-0.0044	0.5368	-0.0031	0.3826
75	40.99	-0.00	0.0238	-0.0011	0.0495	-0.0462	2.0781	1.4413	-0.0038	0.5551	-0.0026	0.3851
76	41.21	0.01	0.0227	-0.0015	0.0506	-0.0661	2.2274	1.4351	-0.0047	0.5519	-0.0033	0.3845
77	41.42	0.01	-0.0089	-0.0051	0.0345	0.5733	-3.8775	1.4309	-0.0056	0.5487	-0.0039	0.3835
78	41.60	-0.01	-0.0123	-0.0085	0.0327	0.6914	-2.6589	1.3821	-0.0065	0.5253	-0.0047	0.3801
79	41.81	-0.01	0.0008	-0.0030	0.0348	-3.7520	43.5138	1.4014	-0.0068	0.5322	-0.0049	0.3798
80	42.00	-0.00	-0.0054	-0.0048	0.0315	0.8894	-5.8334	1.3914	-0.0079	0.5255	-0.0057	0.3777
81	42.20	-0.01	-0.0379	-0.0109	0.0206	0.2878	-0.5426	1.3903	-0.0071	0.5245	-0.0051	0.3775
82	42.40	-0.01	-0.0504	-0.0156	0.0144	0.3097	-0.2846	1.3635	-0.0074	0.5121	-0.0054	0.3756
83	42.58	-0.03	-0.0490	-0.0127	0.0109	0.2593	-0.2232	1.3840	-0.0082	0.5202	-0.0059	0.3750
84	42.78	0.00	-0.0747	-0.0187	0.0002	0.2508	-0.0027	1.3732	-0.0083	0.5153	-0.0061	0.3752
85	42.97	-0.02	0.0054	0.0031	0.0241	0.5744	4.4587	1.3908	-0.0094	0.5197	-0.0068	0.3737
86	43.14	-0.01	-0.0857	-0.0195	-0.0099	0.2779	0.1160	1.3886	-0.0094	0.5204	-0.0068	0.3748
87	43.31	-0.00	-0.0628	-0.0128	-0.0016	0.2043	0.0256	1.3965	-0.0097	0.5180	-0.0070	0.3736
88	43.50	-0.02	-0.0334	-0.0060	0.0051	0.1797	-0.1532	1.3823	-0.0102	0.5155	-0.0074	0.3729
89	43.70	-0.00	-0.0786	-0.0159	-0.0114	0.2027	0.1457	1.3899	-0.0102	0.5184	-0.0073	0.3730
90	43.87	-0.01	-0.0027	0.0033	0.0137	-1.2229	-5.0532	1.3825	-0.0102	0.5137	-0.0074	0.3716
91	44.04	-0.01	-0.0866	-0.0177	-0.0164	0.2047	0.1890	1.3695	-0.0100	0.5084	-0.0073	0.3712
92	44.22	0.01	-0.1104	-0.0223	-0.0269	0.2023	0.2438	1.3674	-0.0104	0.5077	-0.0076	0.3713

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	RR10-6	PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	171	1.10	1.7	0.0	81WOF13	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2	
93	44.40	-0.01	-0.1007	-0.0197	-0.0260	0.1959	0.2583	1.3737	-0.0102	0.5112	-0.0074	0.3721	
94	44.59	-0.02	-0.0671	-0.0118	-0.0163	0.1762	0.2426	1.3589	-0.0102	0.5024	-0.0075	0.3697	
95	44.78	-0.02	-0.0220	-0.0029	0.0070	0.1319	-0.3192	1.3514	-0.0098	0.4984	-0.0073	0.3688	
96	44.95	-0.01	0.0341	0.0061	0.0295	0.1790	0.8649	1.3395	-0.0095	0.4926	-0.0071	0.3678	
97	45.14	-0.01	-0.0604	-0.0113	-0.0101	0.1875	0.1680	1.3577	-0.0096	0.5015	-0.0071	0.3693	
98	45.31	-0.03	-0.0716	-0.0130	-0.0193	0.1819	0.2694	1.3427	-0.0098	0.4968	-0.0073	0.3685	
99	45.52	-0.01	-0.1200	-0.0194	-0.0413	0.1619	0.3439	1.3191	-0.0089	0.4843	-0.0068	0.3671	
100	45.69	-0.02	-0.1256	-0.0200	-0.0437	0.1594	0.3477	1.3211	-0.0089	0.4853	-0.0067	0.3673	
101	45.85	0.00	0.0083	0.0033	0.0190	0.3978	2.2844	1.3125	-0.0098	0.4802	-0.0067	0.3658	
102	46.04	-0.02	-0.0503	-0.0067	-0.0119	0.1333	0.2373	1.3124	-0.0086	0.4814	-0.0066	0.3668	
103	46.20	-0.01	-0.0717	-0.0093	-0.0154	0.1300	0.2144	1.3091	-0.0082	0.4798	-0.0063	0.3665	
104	46.38	-0.02	-0.0807	-0.0108	-0.0260	0.1341	0.3224	1.2907	-0.0078	0.4715	-0.0061	0.3653	
105	46.56	-0.02	-0.1398	-0.0235	-0.0541	0.1683	0.3871	1.3112	-0.0086	0.4811	-0.0066	0.3669	
106	46.71	-0.01	-0.0614	-0.0077	-0.0180	0.1257	0.2929	1.2863	-0.0073	0.4706	-0.0057	0.3659	
107	46.91	-0.03	-0.1210	-0.0219	-0.0479	0.1812	0.3958	1.2712	-0.0085	0.4650	-0.0067	0.3666	
108	47.08	-0.02	-0.1053	-0.0159	-0.0376	0.1512	0.3567	1.3014	-0.0087	0.4758	-0.0067	0.3679	
109	47.25	-0.01	-0.0799	-0.0180	-0.0327	0.2257	0.4098	1.2394	-0.0084	0.4554	-0.0068	0.3674	
110	47.42	-0.03	-0.0488	-0.0154	-0.0176	0.3157	0.3598	1.2331	-0.0087	0.4504	-0.0071	0.3653	
111	47.61	-0.02	-0.0415	-0.0110	-0.0154	0.2652	0.3699	1.2017	-0.0069	0.4386	-0.0058	0.3650	
112	47.78	-0.02	-0.0446	-0.0146	-0.0187	0.3275	0.4184	1.2048	-0.0078	0.4425	-0.0065	0.3673	
113	47.95	-0.02	-0.0097	-0.0088	-0.0036	0.9077	0.3723	1.2013	-0.0077	0.4413	-0.0064	0.3674	
114	48.12	-0.01	-0.0066	-0.0008	0.0030	-0.1213	-0.4560	1.1308	-0.0025	0.4123	-0.0022	0.3646	
115	48.29	-0.01	-0.0258	-0.0046	-0.0047	0.1784	0.1828	1.1362	-0.0028	0.4146	-0.0025	0.3649	
116	48.47	-0.00	-0.0245	0.0019	-0.0033	-0.0776	0.1351	1.0866	0.0002	0.3917	0.0002	0.3605	
117	48.64	-0.03	-0.0226	0.0041	0.0018	-0.1815	-0.0799	1.0785	0.0013	0.3912	0.0012	0.3627	
118	48.80	-0.02	-0.0179	0.0041	0.0035	-0.2292	-0.1962	1.1045	-0.0005	0.4019	-0.0005	0.3639	
119	48.96	0.00	-0.0257	0.0037	0.0024	-0.1440	-0.0937	1.0807	0.0010	0.3922	0.0009	0.3629	
120	49.13	-0.01	-0.0092	0.0042	0.0107	-0.4568	-1.1668	1.0958	-0.0004	0.3996	-0.0004	0.3647	
121	49.31	0.01	-0.0262	0.0043	0.0052	-0.1642	-0.1991	1.0997	-0.0004	0.4020	-0.0004	0.3656	
122	49.48	0.01	-0.0354	0.0025	0.0014	-0.0707	-0.0397	1.0890	-0.0007	0.3965	-0.0006	0.3641	
123	49.65	0.01	-0.0425	0.0029	0.0020	-0.0683	-0.0472	1.1084	-0.0011	0.4049	-0.0010	0.3653	
124	49.87	0.02	-0.0379	0.0023	0.0043	-0.0607	-0.1138	1.1063	-0.0016	0.4045	-0.0014	0.3656	
125	50.02	0.01	-0.0584	0.0028	-0.0045	-0.0481	0.0774	1.0963	-0.0010	0.4001	-0.0009	0.3650	
126	50.18	-0.01	-0.0392	0.0025	0.0062	-0.0638	-0.1587	1.1187	-0.0025	0.4111	-0.0022	0.3675	
127	50.38	0.03	-0.0349	0.0038	0.0094	-0.1089	-0.2702	1.1220	-0.0025	0.4113	-0.0022	0.3666	
128	50.56	0.03	-0.0563	0.0025	0.0010	-0.0445	-0.0179	1.1317	-0.0032	0.4160	-0.0028	0.3676	
129	50.72	0.03	-0.0521	0.0033	0.0064	-0.0634	-0.1232	1.1295	-0.0034	0.4163	-0.0030	0.3686	
130	50.90	0.03	-0.0470	0.0035	0.0113	-0.0745	-0.2412	1.1179	-0.0021	0.4103	-0.0019	0.3670	
131	51.06	0.03	-0.0545	0.0031	0.0093	-0.0569	-0.1712	1.1070	-0.0024	0.4070	-0.0022	0.3676	
132	51.23	0.03	-0.0567	0.0034	0.0094	-0.0601	-0.1666	1.1209	-0.0030	0.4132	-0.0027	0.3686	
133	51.40	0.01	-0.0511	0.0031	0.0121	-0.0607	-0.2375	1.1199	-0.0036	0.4120	-0.0032	0.3679	
134	51.56	0.04	-0.0586	0.0026	0.0095	-0.0445	-0.1629	1.1231	-0.0031	0.4130	-0.0028	0.3677	
135	51.77	0.02	-0.0555	0.0029	0.0138	-0.0524	-0.2481	1.1433	-0.0047	0.4218	-0.0041	0.3689	
136	51.94	0.05	-0.0592	0.0029	0.0127	-0.0491	-0.2139	1.1411	-0.0044	0.4214	-0.0039	0.3693	
137	52.09	0.04	-0.0652	0.0029	0.0126	-0.0446	-0.1926	1.1302	-0.0037	0.4160	-0.0033	0.3681	
138	52.28	0.04	-0.0560	0.0033	0.0164	-0.0591	-0.2925	1.1463	-0.0053	0.4240	-0.0046	0.3699	

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI CONF		L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 171 1.10 1.7				0.0 BIWOF13		0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CM1	CB1	XCPF1	YCPF1	CNF2	CM2	CB2	XCPF2	YCPF2	
139	52.44	0.03	-0.0617	0.0029	0.0154	-0.0471	-0.2492	1.1420	-0.0048	0.4217	-0.0042	0.3693	
140	52.62	0.02	-0.0599	0.0031	0.0161	-0.0519	-0.2684	1.1494	-0.0051	0.4233	-0.0044	0.3683	
141	52.77	0.01	-0.0675	0.0029	0.0141	-0.0430	-0.2084	1.1515	-0.0051	0.4248	-0.0044	0.3689	
142	52.93	0.03	-0.0742	0.0029	0.0123	-0.0392	-0.1652	1.1460	-0.0045	0.4217	-0.0039	0.3680	
143	53.12	0.02	-0.0771	0.0031	0.0123	-0.0403	-0.1589	1.1512	-0.0052	0.4238	-0.0045	0.3682	
144	53.28	0.02	-0.0684	0.0021	0.0157	-0.0335	-0.2278	1.1577	-0.0061	0.4263	-0.0053	0.3699	
145	53.44	0.00	-0.0747	0.0020	0.0153	-0.0268	-0.2044	1.1639	-0.0059	0.4303	-0.0051	0.3697	
146	53.60	0.02	-0.0806	0.0020	0.0149	-0.0249	-0.1844	1.1607	-0.0059	0.4290	-0.0051	0.3698	
147	53.79	0.02	-0.0796	0.0014	0.0152	-0.0176	-0.1905	1.1682	-0.0063	0.4323	-0.0054	0.3700	
148	53.94	0.02	-0.0778	0.0014	0.0159	-0.0180	-0.2040	1.1691	-0.0063	0.4326	-0.0054	0.3700	
149	54.07	0.03	-0.0119	0.0010	0.0320	-0.0841	-2.6892	1.1928	-0.0077	0.4431	-0.0065	0.3715	
150	54.22	0.00	-0.0076	0.0	0.0306	0.0	-4.0260	1.2122	-0.0092	0.4502	-0.0076	0.3714	
151	54.39	0.01	-0.0139	0.0014	0.0286	-0.1008	-1.9126	1.2111	-0.0092	0.4496	-0.0076	0.3713	
152	54.55	0.01	-0.0019	0.0004	0.0322	-0.3160	-16.9488	1.2230	-0.0099	0.4540	-0.0081	0.3712	
153	54.69	-0.00	0.0019	0.0	0.0335	0.0	17.6352	1.2101	-0.0096	0.4496	-0.0079	0.3707	
154	54.85	0.00	-0.0083	0.0020	0.0287	-0.2411	-3.4568	1.1993	-0.0094	0.4454	-0.0078	0.3714	
155	55.00	-0.00	-0.0081	0.0008	0.0281	-0.0988	-3.4678	1.2102	-0.0099	0.4486	-0.0082	0.3707	
156	55.15	0.00	-0.0083	0.0015	0.0287	-0.1808	-3.4568	1.2003	-0.0097	0.4452	-0.0081	0.3709	
157	55.32	-0.01	-0.0159	0.0025	0.0265	-0.1259	-1.8657	1.2207	-0.0106	0.4542	-0.0087	0.3720	
158	55.47	-0.02	-0.0063	0.0023	0.0283	-0.3653	-4.4905	1.2174	-0.0104	0.4529	-0.0086	0.3720	
159	55.63	-0.01	-0.0056	0.0023	0.0301	-0.4109	-5.3743	1.2307	-0.0115	0.4592	-0.0094	0.3731	
160	55.78	-0.01	-0.0189	0.0027	0.0261	-0.1429	-1.3801	1.2091	-0.0095	0.4490	-0.0079	0.3714	
161	55.96	-0.02	-0.0060	0.0023	0.0321	-0.3835	-5.3504	1.2350	-0.0114	0.4603	-0.0092	0.3727	
162	56.11	-0.01	-0.0142	0.0021	0.0278	-0.1480	-1.9569	1.2188	-0.0108	0.4531	-0.0089	0.3717	
163	56.30	0.01	-0.0151	0.0027	0.0272	-0.1414	-1.4234	1.2242	-0.0112	0.4554	-0.0092	0.3728	
164	56.44	-0.05	-0.0044	0.0026	0.0342	-0.5912	-7.7748	1.2340	-0.0124	0.4591	-0.0101	0.3720	
165	56.62	-0.05	-0.0259	0.0024	0.0259	-0.0927	-0.9993	1.2306	-0.0117	0.4578	-0.0095	0.3720	
166	56.79	-0.05	-0.0280	0.0029	0.0264	-0.1036	-0.9423	1.2458	-0.0129	0.4644	-0.0104	0.3728	
167	56.96	-0.05	-0.0265	0.0036	0.0288	-0.1359	-1.0865	1.2317	-0.0116	0.4582	-0.0094	0.3720	
168	57.11	-0.09	-0.0340	0.0027	0.0265	-0.0795	-0.7790	1.2457	-0.0127	0.4653	-0.0102	0.3735	
169	57.25	-0.09	-0.0265	0.0039	0.0302	-0.1456	-1.1267	1.2491	-0.0127	0.4637	-0.0102	0.3712	
170	57.40	-0.05	-0.0909	0.0011	0.0090	-0.0121	-0.0994	1.1787	-0.0091	0.4352	-0.0077	0.3692	
171	57.51	-0.07	-0.0731	0.0002	0.0102	-0.0022	-0.1100	1.1374	-0.0066	0.4182	-0.0058	0.3677	
172	57.69	-0.09	-0.0337	0.0022	0.0302	-0.0653	-0.5960	1.2283	-0.0122	0.4574	-0.0099	0.3720	
173	57.82	-0.05	-0.0407	0.0037	0.0293	-0.0910	-0.7197	1.2369	-0.0126	0.4616	-0.0102	0.3732	
174	57.98	-0.01	-0.0308	0.0034	0.0305	-0.1104	-0.9902	1.2456	-0.0135	0.4650	-0.0109	0.3733	
175	58.13	-0.05	-0.0757	0.0010	0.0184	-0.0132	-0.2428	1.2046	-0.0119	0.4462	-0.0099	0.3704	
176	58.27	-0.03	-0.0423	0.0024	0.0277	-0.0568	-0.6546	1.2395	-0.0140	0.4637	-0.0113	0.3741	
177	58.40	-0.04	-0.0291	0.0032	0.0321	-0.1100	-1.1032	1.2385	-0.0139	0.4619	-0.0112	0.3729	
178	58.53	-0.06	-0.0280	0.0022	0.0315	-0.0786	-1.1250	1.2515	-0.0144	0.4667	-0.0115	0.3729	
179	58.54	0.03	-0.0460	0.0019	0.0260	-0.0413	-0.5648	1.2395	-0.0137	0.4620	-0.0111	0.3727	
180	58.54	-0.05	-0.0290	0.0023	0.0315	-0.0794	-1.0862	1.2514	-0.0141	0.4664	-0.0113	0.3727	

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH R410-6			PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 171 1.10 1.7			0.0	BIWOF13	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.71	0.03	0.0683	9.9999	0.0247	9.9999	0.3619	-0.9818	-0.0242	-0.4613	0.0247	0.4698
2	-5.71	0.01	0.0703	9.9999	0.0253	9.9999	0.3601	-0.9842	-0.0233	-0.4622	0.0243	0.4696
3	-5.71	0.02	0.0753	9.9999	0.0264	9.9999	0.3509	-0.9867	-0.0236	-0.4637	0.0240	0.4700
4	-5.69	0.02	0.0683	9.9999	0.0247	9.9999	0.3619	-0.9809	-0.0236	-0.4603	0.0241	0.4693
5	-5.71	0.02	0.0703	9.9999	0.0248	9.9999	0.3530	-0.9786	-0.0236	-0.4596	0.0242	0.4696
6	-5.74	0.02	0.0662	9.9999	0.0248	9.9999	0.3749	-0.9447	-0.0249	-0.4444	0.0264	0.4705
7	-3.94	0.01	0.0450	9.9999	0.0176	9.9999	0.3901	-0.8237	-0.0274	-0.3881	0.0333	0.4711
8	-2.19	0.02	0.0571	9.9999	0.0228	9.9999	0.3995	-0.7084	-0.0273	-0.3332	0.0386	0.4703
9	-0.36	0.02	0.0571	9.9999	0.0228	9.9999	0.3995	-0.5651	-0.0277	-0.2631	0.0491	0.4655
10	1.47	0.02	0.0671	9.9999	0.0254	9.9999	0.3788	-0.4112	-0.0241	-0.1855	0.0567	0.4510
11	3.42	0.02	0.0602	9.9999	0.0216	9.9999	0.3599	-0.2625	-0.0148	-0.1136	0.0565	0.4326
12	5.21	0.01	0.0622	9.9999	0.0211	9.9999	0.3392	-0.1229	-0.0025	-0.0424	0.0204	0.3447
13	7.14	0.01	0.0594	9.9999	0.0181	9.9999	0.3045	0.0126	0.0130	0.0130	1.0323	1.0271
14	9.00	0.02	0.0604	9.9999	0.0176	9.9999	0.2911	0.1632	0.0314	0.0802	0.1926	0.4918
15	10.94	0.02	0.0595	9.9999	0.0157	9.9999	0.2635	0.2761	0.0444	0.1422	0.1607	0.5151
16	12.86	0.02	0.0604	9.9999	0.0204	9.9999	0.2939	0.4421	0.0494	0.2254	0.1117	0.5099
17	14.83	0.01	0.0394	9.9999	0.0071	9.9999	0.1808	0.5610	0.0492	0.2922	0.0876	0.5208
18	16.87	0.01	0.0522	9.9999	0.0137	9.9999	0.2614	0.6809	0.0467	0.3558	0.0715	0.5225
19	18.88	0.00	0.0534	9.9999	0.0118	9.9999	0.2217	0.7959	0.0456	0.4144	0.0572	0.5206
20	20.89	0.02	0.0612	9.9999	0.0181	9.9999	0.2955	0.8515	0.0429	0.4453	0.0503	0.5230
21	22.92	0.02	0.0643	9.9999	0.0180	9.9999	0.2797	0.9140	0.0360	0.4808	0.0393	0.5260
22	24.92	0.02	0.0641	9.9999	0.0190	9.9999	0.2963	0.9750	0.0304	0.5117	0.0312	0.5248
23	27.01	0.06	0.0759	9.9999	0.0249	9.9999	0.3282	1.0121	0.0292	0.5309	0.0289	0.5245
24	30.20	0.66	0.0678	9.9999	0.0303	9.9999	0.3455	1.0261	0.0287	0.5386	0.0290	0.5249
25	28.36	0.03	0.0609	9.9999	0.0196	9.9999	0.3217	1.0442	0.0270	0.5459	0.0259	0.5228
26	26.75	0.02	0.0669	9.9999	0.0210	9.9999	0.3139	1.0645	0.0256	0.5543	0.0241	0.5207
27	29.06	0.04	0.0687	9.9999	0.0221	9.9999	0.3217	1.0694	0.0254	0.5561	0.0238	0.5200
28	29.35	0.04	0.0624	9.9999	0.0294	9.9999	0.3572	1.0919	0.0237	0.5650	0.0217	0.5175
29	29.66	0.06	0.0675	9.9999	0.0217	9.9999	0.3215	1.0896	0.0243	0.5643	0.0223	0.5184
30	29.95	0.05	0.0772	9.9999	0.0270	9.9999	0.3500	1.1048	0.0238	0.5707	0.0216	0.5166
31	30.24	0.06	0.0831	9.9999	0.0304	9.9999	0.3662	1.1160	0.0240	0.5739	0.0215	0.5142
32	30.52	0.07	0.0929	9.9999	0.0341	9.9999	0.3676	1.1144	0.0253	0.5724	0.0227	0.5137
33	30.78	0.08	0.0899	9.9999	0.0323	9.9999	0.3597	1.1373	0.0236	0.5771	0.0208	0.5074
34	31.08	0.06	0.0723	9.9999	0.0246	9.9999	0.3404	1.1360	0.0237	0.5727	0.0209	0.5042
35	31.34	0.05	0.0761	9.9999	0.0266	9.9999	0.3498	1.1505	0.0220	0.5777	0.0191	0.5021
36	31.62	0.08	0.0761	9.9999	0.0269	9.9999	0.3538	1.1525	0.0221	0.5773	0.0192	0.4975
37	31.90	0.07	0.0800	9.9999	0.0291	9.9999	0.3641	1.1701	0.0206	0.5766	0.0176	0.4945
38	32.16	0.07	0.0770	9.9999	0.0277	9.9999	0.3601	1.1594	0.0217	0.5709	0.0187	0.4917
39	32.44	0.06	0.0662	9.9999	0.0232	9.9999	0.3506	1.1712	0.0189	0.5833	0.0162	0.4986
40	32.70	0.05	0.0652	9.9999	0.0229	9.9999	0.3514	1.1801	0.0189	0.5816	0.0160	0.4930
41	32.97	0.04	0.0601	9.9999	0.0218	9.9999	0.3628	1.1822	0.0187	0.5773	0.0158	0.4888
42	33.23	0.05	0.0718	9.9999	0.0273	9.9999	0.3806	1.1939	0.0175	0.5800	0.0147	0.4958
43	33.49	0.04	0.0482	9.9999	0.0165	9.9999	0.3413	1.2013	0.0166	0.5835	0.0138	0.4857
44	33.73	0.06	0.0659	9.9999	0.0239	9.9999	0.3629	1.1989	0.0161	0.5756	0.0134	0.4801
45	33.98	0.05	0.0590	9.9999	0.0222	9.9999	0.3764	1.2060	0.0118	0.5736	0.0098	0.4757
46	34.23	0.05	0.0717	9.9999	0.0284	9.9999	0.3965	1.2101	0.0098	0.5731	0.0081	0.4736

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PANT MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 171 1.10 1.7				0.0	R1V0F13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
47	34.50	0.04	0.0423	9.9999	0.0148	9.9999	0.3486	1.2183	0.0123	0.5790	0.0101	0.4752
48	34.73	0.07	0.0520	9.9999	0.0206	9.9999	0.3955	1.2190	0.0099	0.5753	0.0081	0.4719
49	34.99	0.04	0.0598	9.9999	0.0246	9.9999	0.4117	1.2330	0.0087	0.5789	0.0071	0.4695
50	35.25	0.07	0.0734	9.9999	0.0322	9.9999	0.4277	1.2336	0.0069	0.5771	0.0056	0.4678
51	35.47	0.03	0.0628	9.9999	0.0261	9.9999	0.4160	1.2342	0.0050	0.5748	0.0041	0.4657
52	35.71	0.06	0.0588	9.9999	0.0246	9.9999	0.4187	1.2434	0.0047	0.5791	0.0038	0.4657
53	35.96	0.06	0.0441	9.9999	0.0178	9.9999	0.4029	1.2447	0.0041	0.5783	0.0033	0.4646
54	36.20	0.05	0.0723	9.9999	0.0320	9.9999	0.4432	1.2418	0.0014	0.5712	0.0011	0.4600
55	36.42	0.05	0.0440	9.9999	0.0180	9.9999	0.4081	1.2478	0.0038	0.5795	0.0030	0.4644
56	36.69	0.07	0.0499	9.9999	0.0212	9.9999	0.4242	1.2355	0.0001	0.5675	0.0001	0.4593
57	36.92	0.05	0.0557	9.9999	0.0246	9.9999	0.4421	1.2380	-0.0005	0.5675	-0.0004	0.4584
58	37.14	0.03	0.0578	9.9999	0.0247	9.9999	0.4277	1.2485	0.0017	0.5761	0.0014	0.4614
59	37.38	0.05	0.0479	9.9999	0.0198	9.9999	0.4126	1.2259	-0.0016	0.5616	-0.0013	0.4581
60	37.62	0.03	0.0341	9.9999	0.0160	9.9999	0.4678	1.2503	0.0	0.5783	0.0	0.4609
61	37.83	0.03	0.0244	9.9999	0.0114	9.9999	0.4687	1.2360	-0.0013	0.5677	-0.0011	0.4593
62	38.10	0.03	0.0361	9.9999	0.0161	9.9999	0.4446	1.2204	-0.0020	0.5569	-0.0016	0.4563
63	38.34	0.04	0.0438	9.9999	0.0220	9.9999	0.4412	1.2209	-0.0035	0.5552	-0.0029	0.4555
64	38.55	0.04	0.0420	9.9999	0.0182	9.9999	0.4323	1.2067	-0.0017	0.5505	-0.0014	0.4562
65	38.80	0.04	0.0400	9.9999	0.0178	9.9999	0.4439	1.2092	-0.0025	0.5502	-0.0021	0.4550
66	39.03	0.03	0.0449	9.9999	0.0204	9.9999	0.4536	1.2035	-0.0022	0.5471	-0.0018	0.4546
67	39.24	0.02	0.0459	9.9999	0.0207	9.9999	0.4502	1.2241	-0.0031	0.5559	-0.0025	0.4541
68	39.48	0.01	0.0361	9.9999	0.0163	9.9999	0.4502	1.1949	-0.0034	0.5438	-0.0028	0.4551
69	39.70	0.02	0.0272	9.9999	0.0138	9.9999	0.5053	1.1725	-0.0038	0.5319	-0.0032	0.4536
70	39.90	0.00	0.0391	9.9999	0.0173	9.9999	0.4413	1.1949	-0.0034	0.5427	-0.0028	0.4542
71	40.13	0.01	0.0193	9.9999	0.0112	9.9999	0.5822	1.1654	-0.0032	0.5275	-0.0027	0.4526
72	40.35	-0.01	0.0243	9.9999	0.0128	9.9999	0.5243	1.1368	-0.0024	0.5137	-0.0021	0.4519
73	40.56	0.01	0.0419	9.9999	0.0192	9.9999	0.4573	1.1789	-0.0034	0.5315	-0.0029	0.4508
74	40.76	0.01	0.0253	9.9999	0.0129	9.9999	0.5075	1.0867	-0.0016	0.4891	-0.0015	0.4501
75	40.99	-0.00	0.0380	9.9999	0.0185	9.9999	0.4858	1.1675	-0.0030	0.5262	-0.0026	0.4507
76	41.21	0.01	0.0380	9.9999	0.0177	9.9999	0.4646	1.1528	-0.0032	0.5142	-0.0028	0.4495
77	41.42	0.01	0.0332	9.9999	0.0151	9.9999	0.4533	1.1353	-0.0026	0.5100	-0.0023	0.4492
78	41.60	-0.01	0.0175	9.9999	0.0095	9.9999	0.5446	1.0601	-0.0007	0.4743	-0.0007	0.4475
79	41.81	-0.01	0.0320	9.9999	0.0174	9.9999	0.5424	1.1463	-0.0024	0.5145	-0.0021	0.4488
80	42.00	-0.00	0.0361	9.9999	0.0182	9.9999	0.5030	1.1477	-0.0030	0.5142	-0.0026	0.4480
81	42.20	-0.01	0.0322	9.9999	0.0161	9.9999	0.4985	1.1282	-0.0024	0.5039	-0.0021	0.4466
82	42.40	-0.01	0.0420	9.9999	0.0206	9.9999	0.4897	1.0823	-0.0015	0.4823	-0.0014	0.4456
83	42.58	-0.03	0.0122	9.9999	0.0164	9.9999	0.5078	1.1209	-0.0025	0.4997	-0.0022	0.4458
84	42.78	0.00	0.0381	9.9999	0.0183	9.9999	0.4792	1.1004	-0.0023	0.4904	-0.0021	0.4457
85	42.97	-0.02	0.0380	9.9999	0.0199	9.9999	0.5227	1.1964	-0.0042	0.5350	-0.0035	0.4472
86	43.14	-0.01	0.0302	9.9999	0.0161	9.9999	0.5315	1.1369	-0.0031	0.5061	-0.0027	0.4451
87	43.31	-0.00	0.0253	9.9999	0.0140	9.9999	0.5512	1.1646	-0.0039	0.5193	-0.0034	0.4459
88	43.50	-0.02	0.0498	9.9999	0.0244	9.9999	0.4895	1.1680	-0.0040	0.5205	-0.0034	0.4457
89	43.70	-0.00	0.0322	9.9999	0.0164	9.9999	0.5078	1.1591	-0.0039	0.5148	-0.0034	0.4442
90	43.87	-0.01	0.0302	9.9999	0.0158	9.9999	0.5215	1.1979	-0.0047	0.5353	-0.0039	0.4469
91	44.04	-0.01	0.0281	9.9999	0.0165	9.9999	0.5855	1.1453	-0.0036	0.5089	-0.0031	0.4463
92	44.22	0.01	0.0322	9.9999	0.0164	9.9999	0.5078	1.1211	-0.0031	0.4985	-0.0028	0.4447

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	NACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	171	1.10	1.7	0.0	B1W0F13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	44.40	-0.01	0.0341	9.9999	0.0186	9.9999	0.5443	1.1391	-0.0035	0.5050	-0.0031	0.4437
94	44.59	-0.02	0.0135	9.9999	0.0099	9.9999	0.7357	1.1623	-0.0042	0.5161	-0.0036	0.4441
95	44.78	-0.02	0.0184	9.9999	0.0114	9.9999	0.6215	1.1760	-0.0045	0.5231	-0.0038	0.4449
96	44.95	-0.01	0.0527	9.9999	0.0277	9.9999	0.5254	1.1642	-0.0039	0.5179	-0.0034	0.4449
97	45.14	-0.01	0.0331	9.9999	0.0183	9.9999	0.5516	1.1642	-0.0039	0.5157	-0.0034	0.4430
98	45.31	-0.03	0.0223	9.9999	0.0138	9.9999	0.6163	1.1427	-0.0042	0.5071	-0.0037	0.4437
99	45.52	-0.01	0.0311	9.9999	0.0182	9.9999	0.5839	1.1241	-0.0030	0.4978	-0.0027	0.4427
100	45.69	-0.02	0.0281	9.9999	0.0183	9.9999	0.6498	1.1204	-0.0030	0.4967	-0.0027	0.4433
101	45.85	0.00	0.0252	9.9999	0.0156	9.9999	0.6170	1.1371	-0.0029	0.5049	-0.0026	0.4440
102	46.04	-0.02	0.0203	9.9999	0.0145	9.9999	0.7116	1.1224	-0.0031	0.4982	-0.0028	0.4439
103	46.20	-0.01	0.0301	9.9999	0.0185	9.9999	0.6133	1.1267	-0.0031	0.4993	-0.0028	0.4432
104	46.38	-0.02	0.0203	9.9999	0.0143	9.9999	0.7017	1.1034	-0.0025	0.4891	-0.0023	0.4433
105	46.56	-0.02	0.0223	9.9999	0.0141	9.9999	0.6298	1.0530	-0.0012	0.4677	-0.0011	0.4442
106	46.71	-0.01	0.0273	9.9999	0.0162	9.9999	0.5916	1.0905	-0.0014	0.4838	-0.0013	0.4436
107	46.91	-0.03	0.0282	9.9999	0.0171	9.9999	0.6048	1.0312	-0.0010	0.4581	-0.0010	0.4442
108	47.08	-0.02	0.0233	9.9999	0.0152	9.9999	0.6501	1.0969	-0.0032	0.4873	-0.0029	0.4442
109	47.25	-0.01	0.0379	9.9999	0.0228	9.9999	0.6009	1.0229	-0.0002	0.4556	-0.0002	0.4454
110	47.42	-0.03	0.0252	9.9999	0.0158	9.9999	0.6250	1.0311	-0.0010	0.4579	-0.0010	0.4440
111	47.61	-0.02	0.0282	9.9999	0.0168	9.9999	0.5941	1.0405	-0.0015	0.4633	-0.0014	0.4452
112	47.78	-0.02	0.0261	9.9999	0.0175	9.9999	0.6688	1.0392	-0.0013	0.4627	-0.0013	0.4452
113	47.95	-0.02	0.0311	9.9999	0.0182	9.9999	0.5839	1.0472	-0.0013	0.4662	-0.0012	0.4452
114	48.12	-0.01	0.0282	9.9999	0.0162	9.9999	0.5727	1.0636	-0.0025	0.4744	-0.0024	0.4461
115	48.29	-0.01	0.0252	9.9999	0.0161	9.9999	0.6370	1.0532	-0.0020	0.4692	-0.0019	0.4455
116	48.47	-0.00	0.0301	9.9999	0.0179	9.9999	0.5933	1.0603	-0.0027	0.4734	-0.0026	0.4465
117	48.64	-0.03	0.0282	9.9999	0.0170	9.9999	0.6012	1.0506	-0.0022	0.4677	-0.0021	0.4452
118	48.80	-0.02	0.0301	9.9999	0.0179	9.9999	0.5933	1.0831	-0.0042	0.4815	-0.0039	0.4445
119	48.96	0.00	0.0301	9.9999	0.0185	9.9999	0.6133	1.0471	-0.0021	0.4665	-0.0020	0.4436
120	49.15	-0.01	0.0184	9.9999	0.0115	9.9999	0.6270	1.0484	-0.0024	0.4651	-0.0023	0.4437
121	49.31	0.01	0.0173	9.9999	0.0125	9.9999	0.7191	1.0689	-0.0037	0.4750	-0.0035	0.4444
122	49.48	0.01	0.0418	9.9999	0.0243	9.9999	0.5808	1.0421	-0.0022	0.4622	-0.0021	0.4435
123	49.65	0.01	0.0359	9.9999	0.0224	9.9999	0.6232	1.0783	-0.0045	0.4802	-0.0042	0.4453
124	49.87	0.02	0.0282	9.9999	0.0168	9.9999	0.5941	1.0458	-0.0025	0.4645	-0.0024	0.4442
125	50.02	0.01	0.0291	9.9999	0.0187	9.9999	0.6412	1.0478	-0.0027	0.4663	-0.0026	0.4451
126	50.18	-0.01	0.0124	9.9999	0.0106	9.9999	0.8576	1.0478	-0.0029	0.4656	-0.0028	0.4444
127	50.38	0.03	0.0262	9.9999	0.0167	9.9999	0.6356	1.0312	-0.0010	0.4596	-0.0010	0.4457
128	50.56	0.03	0.0222	9.9999	0.0149	9.9999	0.6688	1.0478	-0.0022	0.4679	-0.0021	0.4466
129	50.72	0.03	0.0339	9.9999	0.0199	9.9999	0.5859	1.0434	-0.0019	0.4669	-0.0018	0.4475
130	50.90	0.03	0.0357	9.9999	0.0220	9.9999	0.6154	1.0311	-0.0012	0.4611	-0.0012	0.4472
131	51.06	0.03	0.0445	9.9999	0.0259	9.9999	0.5816	1.0345	-0.0014	0.4632	-0.0014	0.4477
132	51.25	0.03	0.0328	9.9999	0.0198	9.9999	0.6025	1.0393	-0.0022	0.4651	-0.0021	0.4475
133	51.40	0.01	0.0240	9.9999	0.0165	9.9999	0.6055	1.0290	-0.0016	0.4593	-0.0016	0.4463
134	51.56	0.04	0.0377	9.9999	0.0219	9.9999	0.5801	1.0357	-0.0017	0.4624	-0.0016	0.4464
135	51.77	0.02	0.0279	9.9999	0.0182	9.9999	0.6508	1.0447	-0.0024	0.4662	-0.0023	0.4462
136	51.94	0.05	0.0426	9.9999	0.0245	9.9999	0.5746	1.0493	-0.0024	0.4703	-0.0023	0.4482
137	52.09	0.04	0.0260	9.9999	0.0166	9.9999	0.6366	1.0420	-0.0021	0.4666	-0.0020	0.4478
138	52.28	0.04	0.0348	9.9999	0.0210	9.9999	0.6025	1.0526	-0.0030	0.4701	-0.0029	0.4467

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PMI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 171 1.10 1.7				0.0	R100F13	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CM3	CB3	XCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4
139	52.44	0.03	0.0260	9.9999	0.0176	9.9999	0.6752	1.0502	-0.0027	0.4689	-0.0026	0.4465
140	52.62	0.02	0.0388	9.9999	0.0225	9.9999	0.5792	1.0569	-0.0036	0.4720	-0.0032	0.4466
141	52.77	0.01	0.0261	9.9999	0.0166	9.9999	0.6342	1.0592	-0.0035	0.4732	-0.0033	0.4468
142	52.93	0.03	0.0329	9.9999	0.0206	9.9999	0.6251	1.0564	-0.0030	0.4715	-0.0028	0.4464
143	53.12	0.02	0.0349	9.9999	0.0199	9.9999	0.5692	1.0690	-0.0037	0.4767	-0.0035	0.4459
144	53.28	0.02	0.0173	9.9999	0.0121	9.9999	0.7017	1.0645	-0.0039	0.4736	-0.0037	0.4450
145	53.44	0.00	0.0281	9.9999	0.0165	9.9999	0.5855	1.0711	-0.0042	0.4773	-0.0039	0.4456
146	53.60	0.02	0.0320	9.9999	0.0185	9.9999	0.5768	1.0769	-0.0045	0.4806	-0.0042	0.4463
147	53.74	0.02	0.0290	9.9999	0.0175	9.9999	0.6019	1.0861	-0.0048	0.4838	-0.0044	0.4454
148	53.94	0.02	0.0301	9.9999	0.0179	9.9999	0.5933	1.0730	-0.0041	0.4772	-0.0038	0.4447
149	54.07	0.03	0.0261	9.9999	0.0171	9.9999	0.6534	1.0129	-0.0012	0.4491	-0.0012	0.4434
150	54.22	0.00	0.0359	9.9999	0.0213	9.9999	0.5924	1.0226	-0.0014	0.4521	-0.0014	0.4429
151	54.39	0.01	0.0193	9.9999	0.0129	9.9999	0.6653	1.0277	-0.0022	0.4557	-0.0021	0.4434
152	54.55	0.01	0.0202	9.9999	0.0142	9.9999	0.7003	1.0228	-0.0013	0.4522	-0.0013	0.4421
153	54.69	-0.00	0.0349	9.9999	0.0215	9.9999	0.5519	1.0101	-0.0008	0.4468	-0.0008	0.4424
154	54.85	0.00	0.0252	9.9999	0.0153	9.9999	0.6051	1.0173	-0.0017	0.4499	-0.0017	0.4423
155	55.00	-0.00	0.0359	9.9999	0.0219	9.9999	0.6092	1.0220	-0.0022	0.4512	-0.0022	0.4418
156	55.15	0.00	0.0242	9.9999	0.0152	9.9999	0.6260	1.0135	-0.0017	0.4479	-0.0017	0.4419
157	55.32	-0.01	0.0301	9.9999	0.0177	9.9999	0.5866	1.0432	-0.0031	0.4615	-0.0030	0.4424
158	55.47	-0.02	0.0438	9.9999	0.0254	9.9999	0.5795	1.0316	-0.0025	0.4568	-0.0024	0.4428
159	55.63	-0.01	0.0301	9.9999	0.0185	9.9999	0.6133	1.0351	-0.0026	0.4577	-0.0025	0.4421
160	55.78	-0.01	0.0312	9.9999	0.0175	9.9999	0.5595	1.0399	-0.0031	0.4595	-0.0030	0.4418
161	55.96	-0.02	0.0292	9.9999	0.0171	9.9999	0.5841	1.0387	-0.0031	0.4592	-0.0030	0.4421
162	56.11	-0.01	0.0184	9.9999	0.0123	9.9999	0.6652	1.0245	-0.0025	0.4530	-0.0024	0.4421
163	56.30	0.01	0.0174	9.9999	0.0126	9.9999	0.7207	1.0446	-0.0046	0.4603	-0.0044	0.4404
164	56.44	-0.05	0.0303	9.9999	0.0166	9.9999	0.5463	1.0198	-0.0022	0.4486	-0.0022	0.4399
165	56.62	-0.05	0.0225	9.9999	0.0126	9.9999	0.5573	1.0628	-0.0050	0.4692	-0.0047	0.4415
166	56.79	-0.05	0.0264	9.9999	0.0144	9.9999	0.5434	1.0340	-0.0069	0.4758	-0.0064	0.4417
167	56.96	-0.06	0.0303	9.9999	0.0164	9.9999	0.5397	1.0770	-0.0064	0.4751	-0.0060	0.4412
168	57.11	-0.09	0.0206	9.9999	0.0105	9.9999	0.5113	1.0933	-0.0075	0.4817	-0.0069	0.4406
169	57.25	-0.09	0.0283	9.9999	0.0155	9.9999	0.5459	1.0842	-0.0077	0.4777	-0.0071	0.4408
170	57.40	-0.05	0.0264	9.9999	0.0146	9.9999	0.5510	1.1272	-0.0101	0.4966	-0.0090	0.4406
171	57.51	-0.07	0.0343	9.9999	0.0182	9.9999	0.5294	1.0948	-0.0085	0.4817	-0.0078	0.4400
172	57.69	-0.09	0.0294	9.9999	0.0156	9.9999	0.5289	1.0788	-0.0070	0.4741	-0.0065	0.4395
173	57.82	-0.05	0.0245	9.9999	0.0137	9.9999	0.5569	1.0788	-0.0069	0.4736	-0.0064	0.4391
174	57.98	-0.01	0.0303	9.9999	0.0177	9.9999	0.5827	1.0741	-0.0065	0.4717	-0.0061	0.4392
175	58.13	-0.05	0.0194	9.9999	0.0130	9.9999	0.6671	1.1091	-0.0087	0.4867	-0.0079	0.4388
176	58.27	-0.03	0.0284	9.9999	0.0163	9.9999	0.5722	1.0893	-0.0073	0.4786	-0.0067	0.4393
177	58.40	-0.04	0.0224	9.9999	0.0144	9.9999	0.6404	1.0638	-0.0062	0.4661	-0.0058	0.4382
178	58.53	-0.06	0.0304	9.9999	0.0170	9.9999	0.5577	1.0703	-0.0061	0.4693	-0.0057	0.4385
179	58.54	0.03	0.0294	9.9999	0.0172	9.9999	0.5835	1.0810	-0.0071	0.4745	-0.0064	0.4396
180	58.54	-0.05	0.0304	9.9999	0.0175	9.9999	0.5742	1.0679	-0.0064	0.4692	-0.0060	0.4394

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TFST PART MACH RX10-6				PME	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 172 0.80 1.7				0.0	R10F15	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CN	CLN	CV	CLM	CLL	CA	CAB	CAF	XCP
1	-5.72	-0.01	-1.4709	4.6688	0.0291	-0.0374	-0.0002	0.3737	0.1121	0.2616	-3.1742
2	-5.72	-0.01	-1.4870	4.6639	0.0137	-0.0356	-0.0003	0.3736	0.1125	0.2611	-3.1365
3	-5.72	-0.01	-1.4859	4.6806	0.0	-0.0130	-0.0003	0.3737	0.1126	0.2611	-3.1501
4	-4.85	-0.01	-1.2019	3.7909	0.0451	-0.0273	0.0002	0.3684	0.1044	0.2640	-3.3204
5	-2.98	-0.01	-0.9439	3.3137	0.0133	-0.0360	0.0006	0.3401	0.0992	0.2409	-3.5107
6	-1.21	-0.01	-0.6713	2.6435	-0.0014	-0.0227	0.0011	0.3203	0.0944	0.2258	-3.9376
7	0.63	-0.01	-0.3837	1.7767	-0.0009	-0.0108	0.0016	0.2976	0.0948	0.2027	-5.1518
8	2.44	-0.01	-0.1547	1.4310	-0.0010	-0.0109	-0.0051	0.2765	0.0952	0.1813	-9.2512
9	4.24	-0.01	0.0642	0.9806	0.0432	-0.0403	0.0027	0.2616	0.0981	0.1636	15.2647
10	6.05	-0.00	0.2761	0.6946	0.0423	-0.0259	-0.0039	0.2574	0.1051	0.1524	2.5152
11	7.89	-0.01	0.4868	0.4101	-0.0165	0.0290	0.0040	0.2531	0.1214	0.1318	0.8425
12	9.65	-0.01	0.7356	0.0087	-0.0167	0.0288	0.0119	0.2399	0.1284	0.1116	0.0119
13	11.51	-0.01	1.0183	-0.5394	-0.0191	-0.0071	0.0055	0.2147	0.1359	0.0788	-0.5297
14	13.29	-0.01	1.3154	-1.1188	-0.0170	0.0024	0.0134	0.1881	0.1426	0.0455	-0.8505
15	15.16	-0.01	1.6487	-1.7659	-0.0744	0.0815	0.0139	0.1600	0.1501	0.0099	-1.0711
16	17.08	-0.01	2.0400	-2.4950	-0.1268	0.2579	0.0358	0.1306	0.1570	-0.0264	-1.2230
17	18.95	-0.02	2.4141	-3.2271	-0.1798	0.4093	0.0504	0.1015	0.1650	-0.0635	-1.3368
18	20.83	-0.02	2.8483	-4.0259	-0.4335	1.1217	0.0850	0.0723	0.1799	-0.1076	-1.4135
19	22.70	-0.03	3.2045	-4.5585	-0.4517	1.0633	0.0287	0.0523	0.1920	-0.1397	-1.4225
20	24.56	-0.03	3.5930	-5.0824	-0.6413	1.8355	-0.0448	0.0529	0.2143	-0.1614	-1.4146
21	26.46	0.00	3.9691	-5.4889	0.0885	-0.0368	0.0344	-0.0071	0.2023	-0.2094	-1.3829
22	27.91	0.02	4.2671	-5.9242	0.2672	-0.5848	0.0580	-0.0382	0.2046	-0.2428	-1.3585
23	27.98	0.02	4.3484	-5.8371	0.4546	-0.7995	0.0732	-0.0367	0.2055	-0.2422	-1.3424
24	28.36	0.01	4.4125	-5.9528	0.2043	-0.1976	0.0363	-0.0497	0.2093	-0.2590	-1.3491
25	28.67	0.01	4.5091	-5.9779	0.2635	-0.4298	0.0443	-0.0578	0.2101	-0.2679	-1.3257
26	29.95	0.02	4.5521	-5.9742	0.3210	-0.4965	0.0519	-0.0577	0.2101	-0.2678	-1.3124
27	29.25	0.01	4.6487	-6.1729	0.2684	-0.3846	0.0519	-0.0600	0.2138	-0.2738	-1.3279
28	29.55	0.03	4.7059	-6.1983	0.4020	-0.4850	0.0595	-0.0735	0.2133	-0.2868	-1.3171
29	29.83	0.03	4.7789	-6.1511	0.3938	-0.3884	0.0525	-0.0767	0.2148	-0.2916	-1.2934
30	30.08	0.04	4.8256	-6.3310	0.6048	-0.7005	0.0607	-0.0872	0.2148	-0.3021	-1.2853
31	30.35	0.03	4.9238	-6.2742	0.4847	-0.6130	0.0751	-0.0793	0.2190	-0.2984	-1.2743
32	30.64	0.04	4.9935	-6.3071	0.4867	-0.3455	0.0385	-0.0827	0.2199	-0.3027	-1.2631
33	30.89	0.04	5.0514	-6.3152	0.5244	-0.2259	0.0310	-0.0929	0.2222	-0.3152	-1.2502
34	31.18	0.03	5.1308	-6.3965	0.4307	-0.2532	0.0244	-0.0572	0.2315	-0.3188	-1.2467
35	31.44	0.04	5.2057	-6.3639	0.4617	-0.2436	0.0319	-0.0901	0.2287	-0.3189	-1.2225
36	31.71	0.05	5.3231	-6.4358	0.6186	-0.5081	0.0403	-0.1098	0.2213	-0.3311	-1.2090
37	31.98	0.06	5.3822	-6.4589	0.7481	-0.6552	0.0482	-0.1094	0.2237	-0.3331	-1.1907
38	32.23	0.06	5.5036	-6.4137	0.8753	-1.0552	0.0784	-0.1160	0.2278	-0.3438	-1.1654
39	32.51	0.05	5.6239	-6.3429	0.7717	-0.9827	0.0644	-0.1147	0.2325	-0.3472	-1.1276
40	32.75	0.06	5.6878	-6.2498	0.9500	-1.3158	0.1017	-0.1285	0.2274	-0.3559	-1.0988
41	33.01	0.05	5.7725	-6.2940	0.8538	-1.1357	0.0727	-0.1326	0.2344	-0.3670	-1.0903
42	33.26	0.06	5.8446	-6.3120	0.8683	-1.1358	0.0657	-0.1330	0.2373	-0.3703	-1.0800
43	33.49	0.06	5.8482	-6.0238	0.9035	-1.0786	0.0372	-0.0866	0.2565	-0.3432	-1.0300
44	33.76	0.08	5.9414	-5.8418	1.0961	-1.0430	0.0090	-0.0580	0.2921	-0.3501	-0.9832
45	33.99	0.07	6.0123	-5.9320	1.0709	-0.9160	0.0160	-0.0675	0.3052	-0.3727	-0.9866
46	34.24	0.07	6.1050	-5.7675	1.1013	-0.9436	-0.0121	-0.0308	0.3263	-0.3571	-0.9447

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION			
7			172	0.80	1.7	0.0	8140F15	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CM	CLM	CY	CLN	CLL	CA	CAB	CAP	KCP		
47	34.50	0.06	6.2982	-6.0291	1.1148	-1.4047	0.0831	-0.1294	0.2812	-0.4106	-0.9573		
48	34.74	0.07	6.4038	-6.0210	1.0753	-1.5076	0.1055	-0.1554	0.2653	-0.4207	-0.9402		
49	34.98	0.08	6.4308	-5.9672	1.2461	-1.7300	0.0771	-0.1336	0.2728	-0.4064	-0.9279		
50	35.19	0.06	6.4549	-6.0744	1.0562	-1.7293	0.0915	-0.1498	0.2652	-0.4150	-0.9411		
51	35.45	0.06	6.5994	-6.2762	1.0263	-1.7278	0.1136	-0.1671	0.2705	-0.4376	-0.9510		
52	35.69	0.05	6.6085	-6.0303	1.0477	-1.9231	0.1591	-0.1619	0.2732	-0.4345	-0.9128		
53	35.90	0.05	6.7066	-6.1387	1.0515	-1.7749	0.1142	-0.1773	0.2685	-0.4458	-0.9153		
54	36.15	0.05	6.7543	-5.9217	0.9688	-1.6204	0.1001	-0.1346	0.2887	-0.4232	-0.8787		
55	36.38	0.07	6.7853	-5.6138	1.1343	-1.2646	-0.0224	-0.0438	0.3483	-0.3921	-0.8273		
56	36.60	0.06	6.8290	-5.5376	1.0778	-1.1856	-0.0366	-0.0268	0.3820	-0.4088	-0.8109		
57	36.85	0.07	6.8725	-5.4614	1.1283	-1.1572	-0.0507	-0.0089	0.4034	-0.4123	-0.7947		
58	37.08	0.08	6.9898	-5.5155	1.2425	-1.0465	-0.0651	-0.0125	0.3955	-0.4080	-0.7891		
59	37.30	0.06	7.1128	-5.4324	1.0051	-0.3071	-0.0813	0.0321	0.4481	-0.4160	-0.7637		
60	37.55	0.07	7.2157	-5.4571	1.0571	-0.4950	-0.0730	0.0286	0.4557	-0.4271	-0.7563		
61	37.77	0.07	7.2446	-5.4435	1.1283	-0.2669	-0.0955	0.0486	0.4799	-0.4313	-0.7516		
62	38.01	0.08	7.3675	-5.4706	1.1450	0.0783	-0.0819	0.0762	0.5090	-0.4327	-0.7425		
63	38.24	0.07	7.5032	-5.5239	1.0719	0.4302	-0.0754	0.0819	0.5150	-0.4330	-0.7362		
64	38.47	0.07	7.5994	-5.4584	1.0778	0.5537	-0.0682	0.0953	0.5257	-0.4303	-0.7183		
65	38.68	0.08	7.7675	-5.5019	1.1617	0.7206	-0.0757	0.0740	0.5178	-0.4437	-0.7083		
66	38.91	0.07	7.7966	-5.4887	1.1719	0.9043	-0.0763	0.0832	0.5257	-0.4424	-0.7048		
67	39.13	0.07	7.9946	-5.5554	1.1524	1.1289	-0.0692	0.0821	0.5299	-0.4477	-0.6949		
68	39.33	0.09	8.0836	-5.6076	1.3703	1.2217	-0.0841	0.0788	0.5322	-0.4533	-0.6937		
69	39.55	0.09	8.1706	-5.6560	1.3293	1.2985	-0.0839	0.0904	0.5421	-0.4516	-0.6922		
70	39.75	0.10	8.2507	-5.5953	1.3825	1.4423	-0.0914	0.0840	0.5421	-0.4580	-0.6782		
71	39.95	0.11	8.3578	-5.6088	1.4826	1.5066	-0.0992	0.0939	0.5434	-0.4494	-0.6711		
72	40.16	0.12	8.4650	-5.6224	1.5788	1.6967	-0.0920	0.0892	0.5472	-0.4579	-0.6642		
73	40.36	0.10	8.5913	-5.7887	1.4220	1.9214	-0.0995	0.0813	0.5490	-0.4676	-0.6738		
74	40.59	0.10	8.6690	-5.7427	1.4186	1.8598	-0.0843	0.0931	0.5505	-0.4573	-0.6626		
75	40.79	0.11	8.7569	-5.7890	1.5433	1.5685	-0.0905	0.0925	0.5595	-0.4669	-0.6611		
76	40.98	0.11	8.7774	-5.6441	1.5263	1.2354	-0.0745	0.0943	0.5637	-0.4674	-0.6430		
77	41.20	0.09	8.9117	-5.6943	1.4382	1.2918	-0.0665	0.0826	0.5627	-0.4800	-0.6390		
78	41.39	0.10	9.0169	-5.7224	1.5248	1.1847	-0.0661	0.0840	0.5604	-0.4763	-0.6346		
79	41.58	0.10	8.9399	-5.6246	1.4666	1.2658	-0.0737	0.0908	0.5590	-0.4681	-0.6292		
80	41.77	0.08	8.9575	-5.5307	1.4017	1.1974	-0.0659	0.0870	0.5646	-0.4773	-0.6174		
81	41.96	0.09	9.0477	-5.5660	1.4291	1.4169	-0.0665	0.0773	0.5687	-0.4914	-0.6152		
82	42.16	0.09	9.1693	-5.5521	1.5035	1.0632	-0.0720	0.0770	0.5482	-0.4711	-0.6055		
83	42.31	0.06	8.9324	-4.9566	1.1514	0.7482	-0.0778	-0.0133	0.5009	-0.5142	-0.5549		
84	42.50	0.04	8.9911	-4.9842	1.0533	0.9565	-0.0638	-0.0188	0.5322	-0.5513	-0.5544		
85	42.69	0.09	9.3929	-5.5999	1.4001	1.4448	-0.0796	0.0805	0.5725	-0.4920	-0.5982		
86	42.87	0.08	9.4323	-5.6642	1.3157	1.6148	-0.0800	0.0805	0.5749	-0.4944	-0.6005		
87	43.06	0.09	9.5693	-5.6506	1.4879	1.4352	-0.0789	0.0687	0.5718	-0.5031	-0.5985		
88	43.23	0.09	9.5738	-5.5487	1.4136	1.7625	-0.0799	0.0744	0.5700	-0.4956	-0.5796		
89	43.41	0.10	9.6935	-5.6068	1.4512	1.9211	-0.0802	0.0760	0.5821	-0.5061	-0.5704		
90	43.59	0.09	9.7201	-5.5882	1.4345	1.5888	-0.0859	0.0671	0.5798	-0.5127	-0.5749		
91	43.76	0.09	9.7647	-5.5872	1.4661	1.6106	-0.0786	0.0764	0.5774	-0.5010	-0.5722		
92	43.95	0.07	9.8191	-5.4174	1.2859	1.6764	-0.0638	0.0548	0.5821	-0.5273	-0.5517		

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH		RX10-6		PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7		172		0.80		1.7		0.0	0.0	0.0	0.0	0.0	UNKNOWN
POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	XCP		
97	44.13	0.08	9.9316	-5.5744	1.4381	1.6626	-0.0709	0.0580	0.5864	-0.5284	-0.5613		
98	44.32	0.10	10.1125	-5.6818	1.6049	1.9184	-0.0716	0.0646	0.5929	-0.5283	-0.5619		
99	44.50	0.09	9.9898	-5.5098	1.5851	1.2410	-0.0692	0.0595	0.5924	-0.5329	-0.5515		
96	44.67	0.09	10.1218	-5.6307	1.5596	1.6256	-0.0703	0.0576	0.5952	-0.5376	-0.5563		
97	44.86	0.09	10.1830	-5.6072	1.5452	1.6652	-0.0629	0.0558	0.6022	-0.5464	-0.5506		
98	45.03	0.09	10.1383	-5.4996	1.5669	1.4901	-0.0623	0.0524	0.6004	-0.5480	-0.5425		
99	45.21	0.09	10.2584	-5.5397	1.5148	1.6691	-0.0625	0.0508	0.6074	-0.5566	-0.5400		
100	45.39	0.09	10.3652	-5.5525	1.5812	1.7735	-0.0626	0.0524	0.6107	-0.5583	-0.5357		
101	45.56	0.09	10.4346	-5.6028	1.5100	1.5697	-0.0686	0.0437	0.6116	-0.5679	-0.5369		
102	45.73	0.09	10.5985	-5.6614	1.6001	1.8460	-0.0624	0.0473	0.6135	-0.5662	-0.5388		
103	45.92	0.09	10.6023	-5.6759	1.6060	1.9431	-0.0550	0.0365	0.6191	-0.5826	-0.5323		
104	46.08	0.09	10.6434	-5.6588	1.4870	2.0296	-0.0552	0.0408	0.6229	-0.5821	-0.5317		
105	46.25	0.09	10.5905	-5.5485	1.4672	1.6679	-0.0608	0.0302	0.6198	-0.5896	-0.5239		
106	46.42	0.07	10.6199	-5.5169	1.3223	1.8430	-0.0611	0.0289	0.6171	-0.5882	-0.5195		
107	46.60	0.09	10.7961	-5.4908	1.4885	2.1116	-0.0620	0.0248	0.6235	-0.5997	-0.5271		
108	46.77	0.09	10.8187	-5.7585	1.5876	1.9543	-0.0687	0.0139	0.6278	-0.6139	-0.5323		
109	46.94	0.07	10.7621	-5.5703	1.2133	2.1000	-0.0685	0.0243	0.6245	-0.6002	-0.5176		
110	47.12	0.07	10.8474	-5.6343	1.2149	2.1247	-0.0828	-0.0013	0.6152	-0.6165	-0.5194		
111	47.27	0.06	10.9460	-5.5963	1.0532	2.2505	-0.0757	0.0015	0.6227	-0.6212	-0.5160		
112	47.44	0.05	10.8743	-5.5810	1.0357	2.2027	-0.0754	-0.0218	0.6106	-0.6324	-0.5132		
113	47.62	0.04	10.9188	-5.5430	0.9200	2.3247	-0.0898	-0.0178	0.5923	-0.6101	-0.5077		
114	47.79	0.04	10.9594	-5.5721	0.8298	2.3319	-0.0896	-0.0428	0.6003	-0.6431	-0.5084		
115	47.95	0.01	10.7631	-5.0980	0.4418	2.1945	-0.0897	-0.1033	0.5583	-0.6615	-0.4737		
116	48.11	0.02	10.5880	-5.0912	0.5693	2.3197	-0.0889	-0.1047	0.5662	-0.6708	-0.4676		
117	48.28	0.00	10.7986	-5.0566	0.4167	2.0214	-0.1020	-0.1239	0.5042	-0.6280	-0.4683		
118	48.45	-0.01	10.7949	-4.9560	0.1988	2.2260	-0.1024	-0.1560	0.4968	-0.6527	-0.4595		
119	48.61	-0.03	10.8018	-4.8799	0.0907	2.1986	-0.0875	-0.1877	0.5061	-0.6938	-0.4518		
120	48.78	-0.02	10.9256	-4.9312	0.1621	2.0799	-0.0873	-0.2314	0.4357	-0.6671	-0.4555		
121	48.95	-0.02	10.8863	-4.7530	0.1780	2.1164	-0.0727	-0.2253	0.4580	-0.6834	-0.4374		
122	49.15	-0.01	11.0795	-4.8153	0.2566	2.4540	-0.0876	-0.1486	0.5354	-0.6840	-0.4346		
123	49.31	-0.03	10.9983	-4.6851	-0.0258	2.3075	-0.0650	-0.2016	0.5079	-0.7095	-0.4260		
124	49.48	-0.01	11.1451	-4.7997	0.1380	2.5352	-0.0872	-0.1615	0.5234	-0.6849	-0.4307		
125	49.66	-0.02	11.2099	-4.7094	0.0330	2.5692	-0.0724	-0.1477	0.5591	-0.7068	-0.4201		
126	49.84	-0.02	11.2828	-4.7481	0.0404	2.7161	-0.0656	-0.1803	0.5517	-0.7320	-0.4208		
127	50.02	0.01	11.5337	-5.4148	0.3755	2.7213	-0.0658	-0.1067	0.5925	-0.6992	-0.4695		
128	50.16	-0.02	11.3507	-5.0055	0.1035	2.4641	-0.0575	-0.1666	0.5442	-0.7108	-0.4410		
129	50.34	-0.00	11.5891	-5.6089	0.3144	2.4325	-0.0574	-0.1325	0.5866	-0.7191	-0.4840		
130	50.54	0.02	11.9539	-6.3243	0.5846	2.6329	-0.0653	-0.1211	0.6031	-0.7242	-0.5291		
131	50.70	0.01	12.0995	-6.4361	0.4031	2.9577	-0.0729	-0.1274	0.6048	-0.7322	-0.5319		
132	50.86	0.03	12.2196	-6.5937	0.5621	3.0724	-0.0879	-0.1202	0.6033	-0.7235	-0.5396		
133	51.04	0.02	12.2367	-6.5182	0.4891	3.1406	-0.0735	-0.1323	0.6046	-0.7369	-0.5327		
134	51.19	0.02	12.2162	-6.5395	0.4803	2.9432	-0.0732	-0.1320	0.6047	-0.7367	-0.5353		
135	51.36	0.03	12.3642	-6.6742	0.5656	3.4320	-0.0821	-0.1337	0.6055	-0.7392	-0.5398		
136	51.54	0.03	12.4644	-6.7683	0.6012	3.5280	-0.0894	-0.1353	0.6051	-0.7404	-0.5430		
137	51.71	0.05	12.6117	-6.9014	0.7239	3.8131	-0.0976	-0.1351	0.6093	-0.7444	-0.5472		
138	51.88	0.05	12.6449	-6.9369	0.7622	3.6430	-0.0898	-0.1385	0.6142	-0.7527	-0.5486		

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 172 0.80 1.7			0.0	81WOFIS	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	KCP
139	52.05	0.07	12.7984	-6.7782	0.9211	4.0503	-0.0838	-0.1453	0.6113	-0.7566	-0.5296
140	52.21	0.05	12.8526	-7.0442	0.7765	3.9437	-0.0976	-0.1407	0.6147	-0.7554	-0.5481
141	52.40	0.05	12.9934	-7.2403	0.7275	4.1809	-0.1054	-0.1626	0.6142	-0.7768	-0.5572
142	52.57	0.06	13.0793	-6.9242	1.0358	4.2142	-0.0692	-0.1617	0.6168	-0.7805	-0.5294
143	52.73	0.07	13.1034	-6.9763	0.9911	4.2430	-0.0620	-0.1682	0.6230	-0.7912	-0.5324
144	52.90	0.06	13.2422	-6.7686	0.9915	4.2416	-0.0251	-0.1813	0.6244	-0.8047	-0.5111
145	53.07	0.06	13.1702	-6.8146	1.0457	4.1137	-0.0394	-0.1719	0.6167	-0.7899	-0.5174
146	53.24	0.08	13.4277	-6.9731	1.1462	3.9782	-0.0153	-0.1985	0.6214	-0.8199	-0.5119
147	53.42	0.06	13.4404	-6.7492	1.0358	3.6112	0.0155	-0.1865	0.6179	-0.8044	-0.5022
148	53.58	0.06	13.4872	-6.9055	1.0014	3.5402	0.0014	-0.1856	0.6174	-0.8030	-0.5120
149	53.75	0.07	13.5739	-6.9711	1.1601	3.3131	0.0022	-0.2146	0.6198	-0.8344	-0.5136
150	53.91	0.07	13.6429	-6.8483	1.0884	3.4323	0.0168	-0.1929	0.6235	-0.8164	-0.5020
151	54.07	0.07	13.6702	-6.8498	1.1299	3.3414	0.0172	-0.1939	0.6245	-0.8184	-0.5011
152	54.24	0.06	13.7793	-6.8093	1.0695	3.3461	0.0178	-0.1938	0.6316	-0.8224	-0.4942
153	54.40	0.07	13.9593	-7.0911	1.2889	3.1829	0.0256	-0.1992	0.6237	-0.8229	-0.5083
154	54.56	0.08	13.9057	-6.7745	1.2391	3.4107	0.0322	-0.2108	0.6191	-0.8299	-0.4872
155	54.73	0.08	14.0648	-7.1226	1.2705	3.4231	0.0119	-0.1989	0.6247	-0.8236	-0.5064
156	54.88	0.07	14.0592	-6.9491	1.1229	3.2786	0.0190	-0.1949	0.6183	-0.8132	-0.4943
157	55.03	0.07	14.0533	-7.0188	1.1183	3.2237	0.0046	-0.1953	0.6238	-0.8191	-0.4994
158	55.19	0.09	14.1001	-7.0474	1.3629	3.2678	0.0187	-0.2056	0.6122	-0.8178	-0.4998
159	55.42	0.07	14.3127	-7.2786	1.1662	3.2852	0.0124	-0.2177	0.6192	-0.8369	-0.5085
160	55.57	0.06	14.1570	-6.9628	0.9924	3.4872	0.0189	-0.2071	0.6376	-0.8147	-0.4918
161	55.73	0.07	14.3066	-7.2093	1.1961	3.0304	0.0135	-0.2095	0.6134	-0.8229	-0.5038
162	55.86	0.06	14.2523	-7.0569	1.0402	2.9594	0.0212	-0.2130	0.6102	-0.8232	-0.4951
163	56.02	0.06	14.2361	-7.0076	1.0358	2.8722	0.0359	-0.2138	0.6116	-0.8254	-0.4922
164	56.19	0.06	14.2960	-6.9826	1.0737	3.0172	0.0137	-0.2292	0.6079	-0.8371	-0.4884
165	56.33	0.07	14.3838	-7.2173	1.1783	2.9385	0.0285	-0.2362	0.6072	-0.8434	-0.5018
166	56.49	0.06	14.3277	-7.1969	1.0117	2.9352	0.0215	-0.2205	0.6069	-0.8274	-0.5023
167	56.63	0.07	14.3280	-7.1203	1.1698	3.0002	0.0354	-0.2163	0.6138	-0.8301	-0.4970
168	56.81	0.03	14.5021	-7.1961	0.8171	2.6864	0.0235	-0.2322	0.6194	-0.8516	-0.4962
169	56.95	0.06	14.5322	-7.2028	1.0960	2.7342	0.0229	-0.2316	0.6185	-0.8501	-0.4956
170	57.10	0.06	14.5894	-7.2278	1.0463	2.6776	0.0307	-0.2228	0.6227	-0.8455	-0.4954
171	57.25	0.06	14.7167	-7.3771	1.1997	2.3788	0.0246	-0.2290	0.6312	-0.8602	-0.5013
172	57.39	0.05	14.6800	-7.1719	1.0396	2.5417	0.0388	-0.2380	0.6435	-0.8816	-0.4885
173	57.54	0.04	14.6798	-7.0988	0.8654	2.7315	0.0313	-0.2326	0.6430	-0.8757	-0.4836
174	57.68	0.05	14.6184	-7.0136	1.0010	2.3843	0.0395	-0.2276	0.6554	-0.8831	-0.4798
175	57.85	0.03	14.8329	-7.0381	0.7641	2.5421	0.0473	-0.2402	0.6704	-0.9107	-0.4745
176	57.97	0.06	14.6183	-6.9566	1.1361	2.0900	0.0404	-0.2404	0.6622	-0.9027	-0.4759
177	57.99	0.04	14.6945	-6.9808	0.8643	2.4612	0.0397	-0.2438	0.6560	-0.8999	-0.4751

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 172 0.80 1.7				0.0	BIWOFIS	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	C81	XCPF1	YCPF1	CNF2	CH2	C82	XCPF2	YCPF2
1	-5.72	-0.01	-0.0120	0.0014	0.0088	-0.1167	-0.7333	-0.6980	-0.0664	-0.3213	0.0951	0.4603
2	-5.72	-0.01	-0.0123	0.0018	0.0108	-0.1464	-0.8780	-0.6996	-0.0665	-0.3235	0.0951	0.4624
3	-5.72	-0.01	-0.0079	0.0025	0.0127	-0.3166	-1.6076	-0.6963	-0.0662	-0.3218	0.0951	0.4622
4	-4.85	-0.01	-0.0077	0.0021	0.0107	-0.2728	-1.3896	-0.5554	-0.0608	-0.2838	0.1039	0.4849
5	-2.98	-0.01	-0.0013	0.0030	0.0088	-2.3086	-6.7692	-0.4651	-0.0531	-0.2410	0.1141	0.5182
6	-1.21	-0.01	-0.0023	0.0021	0.0047	-0.9134	-2.0435	-0.3458	-0.0420	-0.1846	0.1214	0.5339
7	0.63	-0.01	-0.0006	0.0023	0.0035	-3.8349	-5.8333	-0.2294	-0.0314	-0.1278	0.1367	0.5570
8	2.44	-0.01	-0.0003	0.0021	0.0009	-7.0028	-3.0000	-0.1272	-0.0208	-0.0749	0.1638	0.5890
9	4.24	-0.01	-0.0001	0.0019	-0.0004	-19.0076	4.0000	-0.0517	-0.0110	-0.0358	0.2133	0.6938
10	6.05	-0.00	0.0026	0.0026	0.0020	1.0004	0.7692	0.0121	0.0016	-0.0090	0.1323	-0.7438
11	7.89	-0.01	-0.0001	0.0019	-0.0004	-19.0076	4.0000	0.0572	0.0152	0.0123	0.2663	0.2154
12	9.65	-0.01	0.0114	0.0035	0.0056	0.3071	0.4912	0.1222	0.0285	0.0468	0.2337	0.3828
13	11.51	-0.01	0.0129	0.0033	0.0058	0.2559	0.4496	0.1939	0.0408	0.0853	0.2102	0.4450
14	13.29	-0.01	0.0087	0.0029	0.0026	0.3335	0.2989	0.2923	0.0526	0.1346	0.1799	0.4604
15	15.16	-0.01	0.0081	0.0020	0.0064	0.2470	1.0370	0.3862	0.0624	0.1792	0.1616	0.4641
16	17.08	-0.01	0.0215	0.0001	0.0259	0.0047	1.2047	0.4624	0.0682	0.2134	0.1475	0.4615
17	18.95	-0.02	0.0195	-0.0039	0.0330	-0.2001	1.6923	0.5470	0.0745	0.2477	0.1362	0.4529
18	20.83	-0.02	-0.0054	-0.0133	0.0417	2.4639	-7.7037	0.5987	0.0785	0.2622	0.1312	0.4380
19	22.70	-0.03	-0.0488	-0.0126	0.0167	0.2588	-0.3629	0.6955	0.0820	0.3021	0.1180	0.4344
20	24.56	-0.03	-0.1568	-0.0185	-0.0303	0.1182	0.1935	0.7544	0.0829	0.3145	0.1099	0.4169
21	26.46	0.00	0.0557	0.0065	0.0456	0.1170	0.8183	0.8898	0.0564	0.3455	0.0634	0.3587
22	27.91	0.02	0.1538	0.0134	0.0873	0.0873	0.5677	0.9469	0.0485	0.3600	0.0512	0.3802
23	27.98	0.02	0.1623	0.0156	0.0917	0.0963	0.5651	0.9488	0.0474	0.3581	0.0499	0.3775
24	28.36	0.01	0.0824	0.0099	0.0529	0.1203	0.6416	0.9684	0.0512	0.3681	0.0529	0.3801
25	28.67	0.01	0.1323	0.0138	0.0753	0.1045	0.5693	0.9757	0.0489	0.3678	0.0501	0.3769
26	28.95	0.02	0.1262	0.0142	0.0740	0.1127	0.5865	0.9891	0.0495	0.3717	0.0500	0.3757
27	29.25	0.01	0.1754	0.0182	0.0996	0.1039	0.5679	1.0029	0.0479	0.3747	0.0477	0.3736
28	29.55	0.03	0.1842	0.0187	0.1032	0.1017	0.5603	1.0131	0.0473	0.3783	0.0467	0.3734
29	29.83	0.03	0.1334	0.0151	0.0782	0.1134	0.5863	1.0197	0.0487	0.3809	0.0477	0.3735
30	30.08	0.04	0.1551	0.0169	0.0887	0.1091	0.5720	1.0365	0.0492	0.3864	0.0474	0.3728
31	30.35	0.03	0.1488	0.0174	0.0894	0.1171	0.6009	1.0367	0.0485	0.3850	0.0469	0.3714
32	30.64	0.04	0.1049	0.0178	0.0677	0.1699	0.6450	1.0400	0.0489	0.3846	0.0470	0.3698
33	30.89	0.04	0.1021	0.0182	0.0648	0.1785	0.6343	1.0501	0.0493	0.3882	0.0469	0.3697
34	31.18	0.03	0.0994	0.0194	0.0628	0.1954	0.6314	1.0540	0.0487	0.3891	0.0462	0.3691
35	31.44	0.04	0.0901	0.0201	0.0619	0.2234	0.6867	1.0558	0.0488	0.3886	0.0462	0.3680
36	31.71	0.05	0.1493	0.0233	0.0838	0.1563	0.5614	1.0661	0.0473	0.3914	0.0443	0.3671
37	31.98	0.06	0.1726	0.0270	0.0940	0.1567	0.5447	1.0765	0.0462	0.3922	0.0429	0.3643
38	32.23	0.06	0.2242	0.0276	0.1161	0.1233	0.5181	1.0935	0.0460	0.3976	0.0420	0.3636
39	32.51	0.05	0.2405	0.0312	0.1196	0.1295	0.4975	1.0989	0.0441	0.3960	0.0401	0.3603
40	32.75	0.06	0.2640	0.0319	0.1309	0.1206	0.4956	1.1009	0.0431	0.3954	0.0391	0.3592
41	33.01	0.05	0.2372	0.0343	0.1190	0.1444	0.5019	1.1174	0.0450	0.4036	0.0402	0.3612
42	33.26	0.06	0.2163	0.0344	0.1129	0.1589	0.5222	1.1208	0.0452	0.4053	0.0403	0.3616
43	33.49	0.06	0.2085	0.0387	0.1093	0.1655	0.5245	1.1043	0.0434	0.3944	0.0393	0.3571
44	33.76	0.08	0.2014	0.0386	0.1033	0.1914	0.5129	1.1110	0.0436	0.3990	0.0392	0.3591
45	33.99	0.07	0.1893	0.0408	0.0997	0.2153	0.5267	1.1044	0.0431	0.3943	0.0390	0.3570
46	34.24	0.07	0.1861	0.0425	0.0989	0.2282	0.5315	1.1111	0.0431	0.3983	0.0388	0.3585

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART WACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 172 0.80 1.7			0.0	81W0FIS	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	34.50	0.06	0.2717	0.0431	0.1359	0.1555	0.5000	1.1331	0.0424	0.4055	0.0374	0.3579
48	34.74	0.07	0.2867	0.0447	0.1390	0.1558	0.4848	1.1417	0.0415	0.4082	0.0363	0.3575
49	34.98	0.08	0.2935	0.0422	0.1367	0.1437	0.4657	1.1257	0.0370	0.3971	0.0328	0.3526
50	35.19	0.06	0.2891	0.0405	0.1354	0.1400	0.4683	1.1360	0.0363	0.3980	0.0319	0.3503
51	35.45	0.06	0.2813	0.0414	0.1347	0.1470	0.4786	1.1445	0.0363	0.4007	0.0317	0.3501
52	35.69	0.05	0.2875	0.0377	0.1333	0.1310	0.4636	1.1076	0.0319	0.3854	0.0288	0.3479
53	35.90	0.05	0.2870	0.0415	0.1344	0.1445	0.4682	1.1507	0.0369	0.4027	0.0320	0.3500
54	36.15	0.05	0.2310	0.0404	0.1111	0.11748	0.4811	1.1342	0.0353	0.3932	0.0311	0.3467
55	36.38	0.07	0.2776	0.0359	0.10481	0.4621	0.6194	1.1013	0.0369	0.3832	0.0335	0.3479
56	36.60	0.06	0.2895	0.0363	0.0520	0.4051	0.5809	1.1263	0.0379	0.3954	0.0336	0.3511
57	36.85	0.07	0.0882	0.0343	0.0516	0.3884	0.5846	1.1179	0.0376	0.3927	0.0336	0.3513
58	37.08	0.08	0.0067	0.0196	0.0192	2.9265	2.8657	1.1044	0.0376	0.3898	0.0340	0.3520
59	37.30	0.06	-0.0041	0.0061	0.0162	-1.4884	-3.9512	1.1045	0.0371	0.3888	0.0336	0.3520
60	37.55	0.07	-0.3028	0.0065	0.0184	-2.3224	-6.5714	1.0979	0.0360	0.3835	0.0328	0.3493
61	37.77	0.07	-0.0241	-0.0021	0.0090	0.0872	-0.3734	1.1214	0.0376	0.3916	0.0335	0.3492
62	38.01	0.08	-0.0077	-0.0102	0.0201	1.3252	-2.6104	1.1053	0.0344	0.3787	0.0311	0.3426
63	38.24	0.07	-0.0015	-0.0203	0.0273	13.5397	-18.2000	1.1123	0.0325	0.3798	0.0292	0.3414
64	38.47	0.07	0.0133	-0.0224	0.0338	-1.6849	2.5414	1.1025	0.0309	0.3749	0.0280	0.3400
65	38.68	0.08	-0.0056	-0.0219	0.0240	3.9123	-4.2857	1.1061	0.0302	0.3738	0.0273	0.3379
66	38.91	0.07	0.1064	-0.0226	0.0278	-3.5327	4.3438	1.1195	0.0296	0.3803	0.0265	0.3397
67	39.13	0.07	-0.0011	-0.0238	0.0268	21.6450	-24.3636	1.1032	0.0274	0.3708	0.0249	0.3361
68	39.33	0.09	-0.0287	-0.0228	0.0116	0.7947	-0.4042	1.1168	0.0267	0.3745	0.0239	0.3353
69	39.55	0.09	-0.0172	-0.0230	0.0187	1.3377	-1.0872	1.1169	0.0258	0.3732	0.0231	0.3341
70	39.75	0.10	-0.0521	-0.0257	0.0021	0.4944	-0.0404	1.1071	0.0241	0.3696	0.0218	0.3338
71	39.95	0.11	-0.0535	-0.0250	0.0001	0.4684	-0.0019	1.1205	0.0236	0.3760	0.0211	0.3355
72	40.16	0.12	-0.0493	-0.0255	0.0038	0.5185	-0.0772	1.1041	0.0217	0.3695	0.0197	0.3337
73	40.36	0.10	-0.0569	-0.0233	0.0013	0.4104	-0.0229	1.1242	0.0213	0.3732	0.0190	0.3364
74	40.59	0.10	-0.0230	-0.0182	0.0121	0.7916	-0.5261	1.1294	0.0200	0.3793	0.0177	0.3358
75	40.79	0.11	-0.0023	-0.0172	0.0185	7.4812	-8.0435	1.1435	0.0198	0.3849	0.0165	0.3366
76	40.98	0.11	0.0221	-0.0117	0.0310	-0.5296	1.4027	1.1201	0.0170	0.3768	0.0152	0.3364
77	41.20	0.09	0.0397	-0.0099	0.0371	-0.2495	0.9345	1.1235	0.0168	0.3791	0.0150	0.3374
78	41.39	0.10	0.0338	-0.0098	0.0345	-0.2931	1.0207	1.1236	0.0162	0.3791	0.0144	0.3374
79	41.58	0.10	0.0223	-0.0117	0.0291	-0.5249	1.3049	1.1236	0.0162	0.3791	0.0144	0.3374
80	41.77	0.08	0.0222	-0.0113	0.0291	-0.5092	1.3108	1.1237	0.0150	0.3804	0.0134	0.3385
81	41.96	0.09	0.0075	-0.0134	0.0246	-1.7874	3.2800	1.1338	0.0152	0.3839	0.0134	0.3386
82	42.16	0.09	-0.0015	-0.0122	0.0212	8.1366	-14.1333	1.1371	0.0153	0.3855	0.0135	0.3390
83	42.31	0.06	-0.0728	-0.0045	-0.0096	0.0619	0.1320	1.1712	0.0251	0.3963	0.0215	0.3363
84	42.50	0.04	-0.0744	-0.0021	-0.0115	0.0283	0.1548	1.1863	0.0261	0.4010	0.0220	0.3380
85	42.69	0.09	-0.0192	-0.0198	0.0071	1.0317	-0.3698	1.1138	0.0136	0.3754	0.0122	0.3370
86	42.87	0.08	-0.0133	-0.0192	0.0091	1.4442	-0.6842	1.1306	0.0134	0.3836	0.0119	0.3393
87	43.06	0.09	-0.0343	-0.0190	0.0036	0.5542	-0.1050	1.1184	0.0118	0.3773	0.0124	0.3373
88	43.23	0.09	-0.0364	-0.0236	-0.0012	0.6486	0.0330	1.1186	0.0128	0.3773	0.0115	0.3373
89	43.41	0.10	-0.0437	-0.0257	-0.0036	0.5897	0.0826	1.1202	0.0127	0.3788	0.0114	0.3381
90	43.59	0.09	-0.0411	-0.0223	-0.0021	0.5441	0.0512	1.1386	0.0132	0.3857	0.0116	0.3387
91	43.76	0.09	-0.0395	-0.0227	-0.0014	0.5749	0.0354	1.1153	0.0127	0.3750	0.0114	0.3362
92	43.95	0.07	-0.0542	-0.0231	-0.0083	0.4272	0.1534	1.0950	0.0130	0.3666	0.0119	0.3347

PAGE 2 OF 3
 SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 172 0.80 1.7				0.0	81WOF15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	C81	XCPF1	YCPF1	CNF2	CH2	C82	XCPF2	YCPF2
93	44.13	0.08	-0.0569	-0.0246	-0.0101	0.4333	0.1778	1.1136	0.0125	0.3742	0.0112	0.3360
94	44.32	0.10	-0.0571	-0.0236	-0.0093	0.4142	0.1632	1.1136	0.0125	0.3755	0.0112	0.3372
95	44.50	0.09	-0.0457	-0.0200	-0.0043	0.4388	0.0943	1.1169	0.0125	0.3765	0.0112	0.3371
96	44.67	0.09	-0.0517	-0.0212	-0.0051	0.4110	0.0988	1.1356	0.0114	0.3833	0.0101	0.3375
97	44.86	0.09	-0.0515	-0.0214	-0.0064	0.4165	0.1245	1.1138	0.0115	0.3741	0.0103	0.3359
98	45.03	0.09	-0.0605	-0.0205	-0.0092	0.3395	0.1523	1.1087	0.0119	0.3724	0.0108	0.3359
99	45.21	0.09	-0.0663	-0.0226	-0.0108	0.3415	0.1631	1.1070	0.0119	0.3709	0.0108	0.3350
100	45.39	0.09	-0.0764	-0.0231	-0.0165	0.3029	0.2163	1.0952	0.0119	0.3666	0.0109	0.3347
101	45.56	0.09	-0.0688	-0.0231	-0.0157	0.3364	0.2285	1.1322	0.0113	0.3824	0.0100	0.3377
102	45.73	0.09	-0.0720	-0.0232	-0.0148	0.3228	0.2058	1.1154	0.0119	0.3756	0.0107	0.3367
103	45.92	0.09	-0.0839	-0.0244	-0.0175	0.2913	0.2088	1.1054	0.0108	0.3714	0.0098	0.3360
104	46.08	0.09	-0.0956	-0.0258	-0.0216	0.2703	0.2262	1.1087	0.0109	0.3743	0.0098	0.3376
105	46.25	0.09	-0.0822	-0.0238	-0.0179	0.2900	0.2180	1.1217	0.0106	0.3769	0.0095	0.3360
106	46.42	0.07	-0.0911	-0.0254	-0.0197	0.2792	0.2165	1.1334	0.0101	0.3832	0.0089	0.3381
107	46.60	0.09	-0.0939	-0.0261	-0.0208	0.2784	0.2217	1.1301	0.0103	0.3796	0.0091	0.3359
108	46.77	0.09	-0.0983	-0.0271	-0.0220	0.2761	0.2240	1.1302	0.0098	0.3795	0.0087	0.3358
109	46.94	0.07	-0.1245	-0.0299	-0.0337	0.2406	0.2711	1.1335	0.0105	0.3805	0.0093	0.3357
110	47.12	0.07	-0.1421	-0.0311	-0.0410	0.2186	0.2882	1.1604	0.0102	0.3901	0.0088	0.3362
111	47.27	0.06	-0.1378	-0.0315	-0.0379	0.2283	0.2754	1.1520	0.0097	0.3874	0.0084	0.3363
112	47.44	0.05	-0.1639	-0.0349	-0.0485	0.2127	0.2957	1.1504	0.0098	0.3852	0.0085	0.3348
113	47.62	0.04	-0.1914	-0.0410	-0.0594	0.2140	0.3131	1.1370	0.0099	0.3788	0.0087	0.3331
114	47.79	0.04	-0.2149	-0.0391	-0.0708	0.1818	0.3295	1.1605	0.0098	0.3888	0.0085	0.3350
115	47.95	0.01	-0.2266	-0.0355	-0.0788	0.1565	0.3478	1.2005	0.0127	0.4023	0.0106	0.3351
116	48.11	0.02	-0.2307	-0.0379	-0.0815	0.1641	0.3533	1.1906	0.0117	0.3981	0.0098	0.3344
117	48.28	0.00	-0.2348	-0.0351	-0.0841	0.1493	0.3562	1.2300	0.0137	0.4123	0.0112	0.3352
118	48.45	-0.01	-0.2591	-0.0423	-0.0942	0.1631	0.3636	1.2188	0.0132	0.4038	0.0109	0.3319
119	48.61	-0.03	-0.2514	-0.0393	-0.0963	0.1562	0.3831	1.2253	0.0123	0.4072	0.0101	0.3323
120	48.78	-0.02	-0.2662	-0.0373	-0.1028	0.1400	0.3862	1.2352	0.0135	0.4094	0.0109	0.3314
121	48.95	-0.02	-0.2458	-0.0352	-0.0951	0.1430	0.3870	1.2420	0.0127	0.4126	0.0102	0.3322
122	49.15	-0.01	-0.2632	-0.0411	-0.0997	0.1560	0.3789	1.2037	0.0115	0.3966	0.0096	0.3295
123	49.31	-0.03	-0.2448	-0.0420	-0.0939	0.1714	0.3836	1.1851	0.0094	0.3891	0.0079	0.3283
124	49.48	-0.01	-0.2728	-0.0408	-0.1052	0.1494	0.3857	1.2298	0.0120	0.4076	0.0098	0.3314
125	49.66	-0.02	-0.2433	-0.0447	-0.0921	0.1836	0.3786	1.1700	0.0089	0.3658	0.0076	0.3297
126	49.84	-0.02	-0.2332	-0.0391	-0.0909	0.1675	0.3899	1.2098	0.0110	0.4012	0.0091	0.3316
127	50.02	0.01	-0.2208	-0.0349	-0.0819	0.1579	0.3710	1.1597	0.0108	0.3817	0.0093	0.3291
128	50.16	-0.22	-0.2243	-0.0407	-0.0869	0.1813	0.3875	1.1467	0.0090	0.3745	0.0079	0.3286
129	50.34	-0.00	-0.1719	-0.0335	-0.0549	0.1946	0.3192	1.2029	0.0133	0.3988	0.0111	0.3299
130	50.54	0.02	-0.1539	-0.0359	-0.0389	0.2330	0.2531	1.2253	0.0125	0.4052	0.0105	0.3307
131	50.70	0.01	-0.1608	-0.0377	-0.0446	0.2342	0.2771	1.2270	0.0128	0.4040	0.0104	0.3293
132	50.86	0.03	-0.1584	-0.0374	-0.0417	0.2359	0.2630	1.2512	0.0126	0.4126	0.0101	0.3298
133	51.04	0.02	-0.1541	-0.0365	-0.0408	0.2236	0.2645	1.2313	0.0114	0.4028	0.0093	0.3271
134	51.19	0.02	-0.1649	-0.0352	-0.0461	0.2132	0.2793	1.2494	0.0120	0.4109	0.0096	0.3289
135	51.36	0.03	-0.1737	-0.0394	-0.0469	0.2266	0.2697	1.2665	0.0114	0.4163	0.0090	0.3287
136	51.54	0.03	-0.1545	-0.0378	-0.0406	0.2444	0.2631	1.2939	0.0100	0.4279	0.0077	0.3308
137	51.71	0.05	-0.1842	-0.0410	-0.0483	0.2224	0.2620	1.2986	0.0101	0.4284	0.0078	0.3299
138	51.88	0.05	-0.1757	-0.0409	-0.0448	0.2326	0.2547	1.3146	0.0100	0.4337	0.0076	0.3299

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6												
7 172 0.80 1.7 0.0 BLWOF15 0.0 0 -10 0 -10 UNKNOWN												
POINT	ALPHA	BETA	CNF1	CM1	CB1	XCPF1	YCPF1	CNF2	CM2	CB2	XCPF2	YCPF2
139	52.05	0.07	-0.1886	-0.0429	-0.0523	0.2273	0.2771	1.2882	0.0063	0.4218	0.0049	0.3275
140	52.21	0.05	-0.1934	-0.0424	-0.0515	0.2190	0.2660	1.3150	0.0072	0.4322	0.0055	0.3287
141	52.40	0.05	-0.1902	-0.0419	-0.0524	0.2201	0.2753	1.3237	0.0056	0.4362	0.0042	0.3296
142	52.57	0.06	-0.1593	-0.0319	-0.0464	0.2000	0.2910	1.2652	0.0025	0.4103	0.0020	0.3243
143	52.73	0.07	-0.1844	-0.0340	-0.0553	0.1841	0.2997	1.2498	0.0032	0.4057	0.0026	0.3246
144	52.90	0.06	-0.1608	-0.0270	-0.0499	0.1632	0.3101	1.2145	0.0030	0.3912	0.0025	0.3221
145	53.07	0.06	-0.1551	-0.0298	-0.0471	0.1666	0.3034	1.2297	0.0029	0.3985	0.0020	0.3241
146	53.24	0.08	-0.1110	-0.0177	-0.0320	0.1597	0.2885	1.2043	0.0028	0.3890	0.0023	0.3230
147	53.42	0.06	-0.0719	-0.0097	-0.0162	0.1352	0.2256	1.1880	0.0024	0.3848	0.0020	0.3239
148	53.58	0.06	-0.0686	-0.0108	-0.0167	0.1577	0.2438	1.083	0.0016	0.3932	0.0013	0.3254
149	53.75	0.07	-0.0468	-0.0079	-0.0067	0.1632	0.1435	1.269	0.0010	0.4022	0.0008	0.3278
150	53.91	0.07	-0.0440	-0.0067	-0.0049	0.1527	0.1116	1.1981	0.0017	0.3910	0.0014	0.3263
151	54.07	0.07	-0.0445	-0.0036	-0.0032	0.0811	0.0721	1.1846	0.0022	0.3845	0.0019	0.3246
152	54.24	0.06	-0.0395	-0.0041	-0.0041	0.1038	0.1039	1.2184	0.0011	0.4001	0.0009	0.3284
153	54.40	0.07	-0.0296	-0.0029	-0.0031	0.0980	-0.1047	1.2245	0.0009	0.4000	0.0007	0.3267
154	54.56	0.09	-0.0648	-0.0068	-0.0111	0.1051	0.1716	1.1924	0.0016	0.3859	0.0013	0.3236
155	54.73	0.08	-0.0561	-0.0067	-0.0062	0.1197	0.1107	1.2363	0.0004	0.4057	0.0003	0.3282
156	54.88	0.07	-0.0769	-0.0092	-0.0107	0.1198	0.1393	1.2187	0.0006	0.3969	0.0005	0.3257
157	55.03	0.07	-0.0606	-0.0076	-0.0048	0.1257	0.0793	1.2281	0.0006	0.4025	0.0005	0.3277
158	55.19	0.09	-0.0676	-0.0100	-0.0079	0.1482	0.1170	1.2258	0.0003	0.3990	0.0002	0.3255
159	55.42	0.07	-0.0724	-0.0100	-0.0064	0.1384	0.0885	1.2325	-0.0002	0.4015	-0.0002	0.3258
160	55.57	0.06	-0.0814	-0.0110	-0.0075	0.1354	0.0923	1.2258	0.0	0.4003	0.0	0.3266
161	55.73	0.07	-0.0594	-0.0076	-0.0001	0.1282	0.0017	1.2502	-0.0009	0.4097	-0.0007	0.3277
162	55.86	0.06	-0.0540	-0.0041	0.0035	0.0761	-0.0649	1.2367	-0.0003	0.4046	-0.0002	0.3272
163	56.02	0.06	-0.0676	-0.0039	0.0015	0.0578	-0.0222	1.2132	0.0006	0.3947	0.0005	0.3253
164	56.19	0.06	-0.1034	-0.0109	-0.0157	0.1056	0.1520	1.2202	-0.0014	0.3978	-0.0011	0.3260
165	56.33	0.07	-0.0699	-0.0078	-0.0032	0.1118	0.0458	1.2325	-0.0016	0.4027	-0.0013	0.3267
166	56.49	0.06	-0.0546	-0.0030	0.0063	0.0531	-0.1156	1.2347	-0.0005	0.4029	-0.0004	0.3263
167	56.63	0.07	-0.0827	-0.0060	-0.0030	0.0727	0.0363	1.2235	-0.0005	0.3991	-0.0004	0.3262
168	56.81	0.03	-0.0415	-0.0025	0.0117	0.0604	-0.2526	1.2505	-0.0016	0.4101	-0.0013	0.3279
169	56.95	0.06	-0.0518	-0.0049	0.0090	0.0948	-0.1741	1.2388	-0.0017	0.4057	-0.0014	0.3275
170	57.10	0.06	-0.0548	-0.0029	0.0070	0.0530	-0.1280	1.2320	-0.0017	0.4045	-0.0014	0.3283
171	57.25	0.06	-0.0522	-0.0024	0.0106	0.0461	-0.2035	1.2370	-0.0018	0.4062	-0.0015	0.3284
172	57.39	0.05	-0.0539	-0.0020	0.0111	0.0372	-0.2063	1.2471	-0.0017	0.4111	-0.0014	0.3296
173	57.54	0.04	-0.0716	-0.0036	0.0051	0.0504	-0.0713	1.2066	-0.0007	0.3943	-0.0006	0.3268
174	57.68	0.05	-0.0647	-0.0001	0.0096	0.0015	-0.1496	1.2218	-0.0016	0.4009	-0.0013	0.3281
175	57.85	0.03	-0.0586	-0.0010	0.0108	0.0171	-0.1846	1.2319	-0.0015	0.4051	-0.0012	0.3288
176	57.97	0.06	-0.0423	0.0001	0.0178	-0.0024	-0.4218	1.2289	-0.0021	0.4044	-0.0017	0.3291
177	57.99	0.04	-0.0556	-0.0005	0.0131	0.0090	-0.2360	1.2356	-0.0022	0.4056	-0.0018	0.3283

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 172 0.80 1.7				0.0	81WOF15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	C83	XCPF3	YCPF3	CNF4	CH4	C84	XCPF4	YCPF4
1	-5.72	-0.01	-0.0211	9.9999	0.0148	9.9999	-0.7914	-0.7250	-0.0670	-0.3211	0.0924	0.4429
2	-5.72	-0.01	-0.0195	9.9999	0.0155	9.9999	-0.7949	-0.7266	-0.0673	-0.3225	0.0926	0.4438
3	-5.72	-0.01	-0.0180	9.9999	0.0156	9.9999	-0.8667	-0.7266	-0.0674	-0.3238	0.0928	0.4456
4	-4.85	-0.01	-0.0211	9.9999	0.0148	9.9999	-0.7014	-0.6194	-0.0608	-0.2791	0.0982	0.4507
5	-2.98	-0.01	-0.0196	9.9999	0.0155	9.9999	-0.7908	-0.5005	-0.0538	-0.2350	0.1075	0.4695
6	-1.21	-0.01	-0.0228	9.9999	0.0165	9.9999	-0.7237	-0.3779	-0.0434	-0.1797	0.1148	0.4756
7	0.63	-0.01	-0.0212	9.9999	0.0172	9.9999	-0.8111	-0.2655	-0.0321	-0.1242	0.1207	0.4676
8	2.44	-0.01	-0.0273	9.9999	0.0149	9.9999	-0.5458	-0.1706	-0.0219	-0.0664	0.1266	0.3891
9	4.24	-0.01	-0.0212	9.9999	0.0172	9.9999	-0.8113	-0.0699	-0.0105	-0.0300	0.1505	0.4298
10	6.05	-0.00	-0.0211	9.9999	0.0160	9.9999	-0.7583	-0.3113	0.0016	-0.0077	-0.1416	0.6814
11	7.89	-0.01	-0.0179	9.9999	0.0138	9.9999	-0.7709	0.0577	0.0171	0.0159	0.2970	0.2760
12	9.65	-0.01	-0.0179	9.9999	0.0138	9.9999	-0.7709	0.1231	0.0297	0.0467	0.2418	0.3792
13	11.51	-0.01	-0.0101	9.9999	0.0150	9.9999	-1.4851	0.2024	0.0424	0.0898	0.2093	0.4387
14	13.29	-0.31	-0.0116	9.9999	0.0137	9.9999	-1.1810	0.2389	0.0543	0.1401	0.1879	0.4849
15	15.16	-0.01	-0.0095	9.9999	0.0133	9.9999	-1.5647	0.3870	0.0644	0.1915	0.1664	0.4950
16	17.08	-0.01	-0.0114	9.9999	0.0100	9.9999	-0.8772	0.5066	0.0729	0.2442	0.1439	0.4820
17	18.95	-0.02	-0.0144	9.9999	0.0068	9.9999	-0.4722	0.6128	0.0804	0.2920	0.1313	0.4765
18	20.83	-0.02	-0.0204	9.9999	0.0020	9.9999	-0.0980	0.7508	0.0833	0.3509	0.1110	0.4674
19	22.70	-0.03	-0.0173	9.9999	0.0023	9.9999	-0.1329	0.7618	0.0637	0.3236	0.0836	0.4313
20	24.56	-0.03	-0.0110	9.9999	0.0016	9.9999	-0.1455	0.7862	0.0387	0.3206	0.0492	0.4078
21	26.46	0.00	-0.0017	9.9999	0.0029	9.9999	-1.7059	0.8372	0.0522	0.3549	0.0623	0.4239
22	27.91	0.02	0.0012	9.9999	0.0068	9.9999	5.6667	0.8682	0.0513	0.3722	0.0614	0.4287
23	27.98	0.02	0.0059	9.9999	0.0078	9.9999	1.3220	0.8732	0.0540	0.3791	0.0618	0.4341
24	28.36	0.01	0.0044	9.9999	0.0071	9.9999	1.6136	0.8845	0.0490	0.3844	0.0554	0.4346
25	28.67	0.01	0.0090	9.9999	0.0080	9.9999	0.8389	0.8836	0.0507	0.3871	0.0574	0.4381
26	28.95	0.02	0.0060	9.9999	0.0054	9.9999	0.9000	0.8562	0.0493	0.3903	0.0556	0.4404
27	29.25	0.01	0.0154	9.9999	0.0073	9.9999	0.4740	0.9005	0.0487	0.3977	0.0541	0.4416
28	29.55	0.03	0.0122	9.9999	0.0083	9.9999	0.6803	0.8966	0.0496	0.3989	0.0553	0.4449
29	29.83	0.03	0.0091	9.9999	0.0062	9.9999	0.6913	0.9064	0.0475	0.4038	0.0524	0.4455
30	30.08	0.04	0.0308	9.9999	0.0134	9.9999	0.4351	0.9225	0.0468	0.4101	0.0507	0.4445
31	30.35	0.03	0.0155	9.9999	0.0049	9.9999	0.3161	0.9144	0.0456	0.4080	0.0498	0.4462
32	30.64	0.04	0.0155	9.9999	0.0049	9.9999	0.3161	0.8974	0.0410	0.3989	0.0457	0.4445
33	30.89	0.04	0.0170	9.9999	0.0056	9.9999	0.3294	0.9049	0.0401	0.4025	0.0443	0.4448
34	31.18	0.03	0.0155	9.9999	0.0049	9.9999	0.3161	0.8938	0.0378	0.3975	0.0422	0.4447
35	31.44	0.04	0.0202	9.9999	0.0047	9.9999	0.2327	0.8860	0.0362	0.3960	0.0408	0.4449
36	31.71	0.05	0.0248	9.9999	0.0087	9.9999	0.3508	0.9174	0.0400	0.4106	0.0436	0.4476
37	31.98	0.06	0.0247	9.9999	0.0093	9.9999	0.3785	0.9092	0.0389	0.4085	0.0427	0.4493
38	32.23	0.06	0.0324	9.9999	0.0130	9.9999	0.4012	0.9458	0.0439	0.4268	0.0454	0.4513
39	32.51	0.05	0.0248	9.9999	0.0081	9.9999	0.3266	0.9306	0.0417	0.4196	0.0448	0.4509
40	32.75	0.06	0.0278	9.9999	0.0120	9.9999	0.4317	0.9470	0.0442	0.4283	0.0466	0.4523
41	33.01	0.05	0.0308	9.9999	0.0147	9.9999	0.4773	0.9277	0.0369	0.4167	0.0397	0.4492
42	33.26	0.06	0.0370	9.9999	0.0158	9.9999	0.4270	0.9143	0.0357	0.4123	0.0390	0.4509
43	33.49	0.06	0.0277	9.9999	0.0138	9.9999	0.4982	0.8057	0.0284	0.3869	0.0353	0.4553
44	33.76	0.08	0.0399	9.9999	0.0203	9.9999	0.5088	0.8391	0.0283	0.3816	0.0338	0.4547
45	33.99	0.07	0.0260	9.9999	0.0149	9.9999	0.5731	0.8063	0.0273	0.3681	0.0339	0.4565
46	34.24	0.07	0.0399	9.9999	0.0209	9.9999	0.5238	0.7825	0.0257	0.3575	0.0329	0.4569

PAGE 3 OF 3
 SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 172 0.80 1.7				0.0	0.100F15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
47	34.50	0.06	0.0399	9.9999	0.0203	9.9999	0.5088	0.8902	0.0315	0.4040	0.0353	0.4538
48	34.74	0.07	0.0353	9.9999	0.0187	9.9999	0.5297	0.9267	0.0357	0.4216	0.0385	0.4549
49	34.98	0.08	0.0431	9.9999	0.0218	9.9999	0.5070	0.9432	0.0379	0.4297	0.0401	0.4556
50	35.19	0.06	0.0338	9.9999	0.0180	9.9999	0.5325	0.9702	0.0400	0.4424	0.0412	0.4560
51	35.45	0.06	0.0368	9.9999	0.0201	9.9999	0.5462	0.9971	0.0387	0.4514	0.0388	0.4527
52	35.69	0.05	0.0368	9.9999	0.0194	9.9999	0.5272	1.0223	0.0442	0.4611	0.0432	0.4530
53	35.90	0.05	0.0367	9.9999	0.0212	9.9999	0.5777	1.0098	0.0410	0.4565	0.0406	0.4520
54	36.15	0.05	0.0335	9.9999	0.0222	9.9999	0.6627	0.9331	0.0332	0.4224	0.0355	0.4527
55	36.38	0.07	0.0428	9.9999	0.0247	9.9999	0.5785	0.7833	0.0249	0.3582	0.0318	0.4574
56	36.60	0.06	0.0365	9.9999	0.0236	9.9999	0.6466	0.7904	0.0245	0.3574	0.0310	0.4522
57	36.85	0.07	0.0428	9.9999	0.0253	9.9999	0.5925	0.7936	0.0250	0.3571	0.0316	0.4500
58	37.08	0.08	0.0363	9.9999	0.0236	9.9999	0.6466	0.7660	0.0242	0.3465	0.0316	0.4524
59	37.30	0.06	0.0335	9.9999	0.0209	9.9999	0.6239	0.7554	0.0244	0.3393	0.0324	0.4492
60	37.55	0.07	0.0397	9.9999	0.0226	9.9999	0.5693	0.7696	0.0235	0.3448	0.0310	0.4488
61	37.77	0.07	0.0335	9.9999	0.0209	9.9999	0.6239	0.7536	0.0244	0.3360	0.0324	0.4489
62	38.01	0.08	0.0365	9.9999	0.0224	9.9999	0.6137	0.7430	0.0246	0.3326	0.0332	0.4476
63	38.24	0.07	0.0304	9.9999	0.0195	9.9999	0.6414	0.7373	0.0256	0.3291	0.0348	0.4464
64	38.47	0.07	0.0397	9.9999	0.0214	9.9999	0.5390	0.7249	0.0258	0.3237	0.0356	0.4465
65	38.68	0.08	0.0351	9.9999	0.0205	9.9999	0.5840	0.7373	0.0254	0.3265	0.0345	0.4428
66	38.91	0.07	0.0366	9.9999	0.0212	9.9999	0.5792	0.7280	0.0265	0.3202	0.0345	0.4398
67	39.13	0.07	0.0459	9.9999	0.0250	9.9999	0.5459	0.7385	0.0264	0.3242	0.0388	0.4396
68	39.33	0.09	0.0366	9.9999	0.0212	9.9999	0.5792	0.7444	0.0251	0.3263	0.0338	0.4383
69	39.55	0.09	0.0429	9.9999	0.0235	9.9999	0.5491	0.7405	0.0257	0.3229	0.0348	0.4360
70	39.75	0.10	0.0397	9.9999	0.0214	9.9999	0.5390	0.7407	0.0252	0.3209	0.0341	0.4332
71	39.95	0.11	0.0444	9.9999	0.0236	9.9999	0.5327	0.7476	0.0254	0.3214	0.0348	0.4299
72	40.16	0.12	0.0521	9.9999	0.0261	9.9999	0.5019	0.7526	0.0257	0.3199	0.0342	0.4258
73	40.36	0.10	0.0459	9.9999	0.0250	9.9999	0.5459	0.7617	0.0249	0.3237	0.0327	0.4249
74	40.50	0.10	0.0459	9.9999	0.0250	9.9999	0.5459	0.7526	0.0256	0.3192	0.0341	0.4241
75	40.79	0.11	0.0507	9.9999	0.0254	9.9999	0.5020	0.7427	0.0273	0.3141	0.0368	0.4229
76	40.98	0.11	0.0491	9.9999	0.0233	9.9999	0.5286	0.7462	0.0273	0.3157	0.0366	0.4231
77	41.20	0.09	0.0460	9.9999	0.0250	9.9999	0.5447	0.7425	0.0276	0.3135	0.0372	0.4222
78	41.39	0.10	0.0521	9.9999	0.0285	9.9999	0.5481	0.7547	0.0275	0.3163	0.0365	0.4191
79	41.58	0.10	0.0537	9.9999	0.0293	9.9999	0.5466	0.7569	0.0267	0.3163	0.0351	0.4179
80	41.77	0.08	0.0459	9.9999	0.0268	9.9999	0.5852	0.7605	0.0265	0.3166	0.0349	0.4163
81	41.96	0.09	0.0382	9.9999	0.0220	9.9999	0.5759	0.7729	0.0261	0.3296	0.0338	0.4148
82	42.16	0.09	0.0521	9.9999	0.0292	9.9999	0.5615	0.7949	0.0241	0.3278	0.0304	0.4124
83	42.31	0.06	0.0336	9.9999	0.0198	9.9999	0.5893	0.8848	0.0192	0.3601	0.0217	0.4078
84	42.50	0.04	0.0337	9.9999	0.0185	9.9999	0.5490	0.9219	0.0183	0.3738	0.0199	0.4054
85	42.69	0.03	0.0506	9.9999	0.0272	9.9999	0.5386	0.7947	0.0244	0.3258	0.0308	0.4108
86	42.87	0.08	0.0429	9.9999	0.0235	9.9999	0.5491	0.7962	0.0248	0.3267	0.0312	0.4103
87	43.06	0.09	0.0491	9.9999	0.0246	9.9999	0.5320	0.8183	0.0230	0.3346	0.0282	0.4089
88	43.23	0.09	0.0505	9.9999	0.0272	9.9999	0.5397	0.8054	0.0244	0.3281	0.0303	0.4074
89	43.41	0.10	0.0368	9.9999	0.0175	9.9999	0.4755	0.8070	0.0247	0.3289	0.0307	0.4078
90	43.59	0.09	0.0521	9.9999	0.0273	9.9999	0.5250	0.8234	0.0232	0.3337	0.0282	0.4053
91	43.76	0.09	0.0490	9.9999	0.0258	9.9999	0.5276	0.8161	0.0238	0.3314	0.0292	0.4061
92	43.95	0.07	0.0505	9.9999	0.0272	9.9999	0.5397	0.8305	0.0229	0.3368	0.0276	0.4058

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION			
7			172	0.80	1.7	0.0	BLWOF15	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CNF3	CH3	CB3	KCPF3	VCPF3	CNF4	CH4	CB4	KCPF4	VCPF4	
93	44.13	0.08	0.0490	9.9999	0.0258	9.9999	0.5276	0.8340	0.0228	0.3364	0.0274	0.4034	
94	44.32	0.10	0.0460	9.9999	0.0231	9.9999	0.5033	0.8446	0.0226	0.3397	0.0268	0.4022	
95	44.50	0.09	0.0552	9.9999	0.0287	9.9999	0.5209	0.8500	0.0223	0.3420	0.0263	0.4024	
96	44.67	0.09	0.0475	9.9999	0.0251	9.9999	0.5295	0.8591	0.0216	0.3443	0.0252	0.4010	
97	44.86	0.09	0.0551	9.9999	0.0294	9.9999	0.5345	0.8621	0.0225	0.3448	0.0261	0.4000	
98	45.03	0.09	0.0520	9.9999	0.0285	9.9999	0.5491	0.8714	0.0214	0.3473	0.0246	0.3986	
99	45.21	0.09	0.0552	9.9999	0.0287	9.9999	0.5209	0.8764	0.0219	0.3483	0.0249	0.3975	
100	45.39	0.09	0.0520	9.9999	0.0285	9.9999	0.5491	0.8887	0.0214	0.3518	0.0241	0.3959	
101	45.56	0.09	0.0582	9.9999	0.0308	9.9999	0.5301	0.8935	0.0215	0.3501	0.0244	0.3963	
102	45.73	0.09	0.0490	9.9999	0.0258	9.9999	0.5276	0.8853	0.0213	0.3496	0.0241	0.3949	
103	45.92	0.09	0.0490	9.9999	0.0264	9.9999	0.5399	0.9013	0.0207	0.3558	0.0230	0.3948	
104	46.08	0.09	0.0428	9.9999	0.0241	9.9999	0.5644	0.9085	0.0201	0.3569	0.0222	0.3929	
105	46.25	0.09	0.0520	9.9999	0.0272	9.9999	0.5241	0.9028	0.0209	0.3560	0.0232	0.3944	
106	46.42	0.07	0.0520	9.9999	0.0260	9.9999	0.5010	0.9204	0.0204	0.3605	0.0222	0.3917	
107	46.60	0.09	0.0489	9.9999	0.0258	9.9999	0.5287	0.9207	0.0199	0.3610	0.0215	0.3921	
108	46.77	0.09	0.0489	9.9999	0.0258	9.9999	0.5287	0.9224	0.0200	0.3605	0.0217	0.3909	
109	46.94	0.07	0.0413	9.9999	0.0209	9.9999	0.5073	0.9384	0.0193	0.3661	0.0206	0.3902	
110	47.12	0.07	0.0367	9.9999	0.0175	9.9999	0.4768	0.9514	0.0178	0.3714	0.0187	0.3903	
111	47.27	0.06	0.0367	9.9999	0.0175	9.9999	0.4768	0.9566	0.0178	0.3725	0.0186	0.3894	
112	47.44	0.05	0.0398	9.9999	0.0190	9.9999	0.4774	0.9693	0.0167	0.3771	0.0173	0.3890	
113	47.62	0.04	0.0398	9.9999	0.0190	9.9999	0.4774	0.9728	0.0167	0.3773	0.0172	0.3878	
114	47.79	0.04	0.0367	9.9999	0.0175	9.9999	0.4768	0.9927	0.0152	0.3850	0.0153	0.3878	
115	47.95	0.01	0.0275	9.9999	0.0143	9.9999	0.5203	1.0373	0.0131	0.3989	0.0126	0.3846	
116	48.11	0.02	0.0123	9.9999	0.0052	9.9999	0.4228	1.0194	0.0141	0.3919	0.0139	0.3844	
117	48.28	0.00	0.0244	9.9999	0.0117	9.9999	0.4795	1.0594	0.0136	0.4077	0.0129	0.3848	
118	48.45	-0.01	0.0107	9.9999	0.0039	9.9999	0.3645	1.0675	0.0148	0.4104	0.0139	0.3844	
119	48.61	-0.03	0.0183	9.9999	0.0081	9.9999	0.4426	1.0913	0.0158	0.4194	0.0149	0.3843	
120	48.78	-0.02	0.0138	9.9999	0.0053	9.9999	0.3841	1.1245	0.0157	0.4334	0.0140	0.3855	
121	48.95	-0.02	0.0137	9.9999	0.0066	9.9999	0.4818	1.1107	0.0154	0.4272	0.0139	0.3847	
122	49.15	-0.01	0.0215	9.9999	0.0078	9.9999	0.3628	1.0752	0.0133	0.4146	0.0124	0.3856	
123	49.31	-0.03	0.0153	9.9999	0.0061	9.9999	0.3987	1.0660	0.0139	0.4128	0.0131	0.3872	
124	49.48	-0.01	0.0183	9.9999	0.0075	9.9999	0.4098	1.1009	0.0137	0.4249	0.0125	0.3860	
125	49.66	-0.02	0.0184	9.9999	0.0069	9.9999	0.3750	1.0561	0.0129	0.4087	0.0122	0.3870	
126	49.84	-0.02	0.0391	9.9999	0.0044	9.9999	0.4835	1.0935	0.0144	0.4232	0.0132	0.3870	
127	50.02	0.01	0.0153	9.9999	0.0055	9.9999	0.3595	1.0551	0.0114	0.4097	0.0108	0.3883	
128	50.16	-0.02	0.0169	9.9999	0.0056	9.9999	0.3314	1.0569	0.0113	0.4111	0.0107	0.3890	
129	50.34	-0.00	0.0306	9.9999	0.0127	9.9999	0.4150	1.0353	0.0129	0.4014	0.0129	0.3877	
130	50.54	0.02	0.0277	9.9999	0.0095	9.9999	0.3430	1.0301	0.0133	0.4023	0.0129	0.3906	
131	50.70	0.01	0.0275	9.9999	0.0119	9.9999	0.4327	1.0336	0.0133	0.4026	0.0129	0.3995	
132	50.86	0.03	0.0276	9.9999	0.0107	9.9999	0.3577	1.0265	0.0139	0.3995	0.0136	0.3892	
133	51.04	0.02	0.0277	9.9999	0.0095	9.9999	0.3430	1.0213	0.0138	0.3966	0.0135	0.3883	
134	51.19	0.02	0.0324	9.9999	0.0117	9.9999	0.3611	1.0434	0.0126	0.4051	0.0121	0.3883	
135	51.36	0.03	0.0308	9.9999	0.0122	9.9999	0.3961	1.0397	0.0130	0.4035	0.0125	0.3881	
136	51.54	0.03	0.0370	9.9999	0.0151	9.9999	0.4081	1.0414	0.0132	0.4037	0.0127	0.3877	
137	51.71	0.05	0.0278	9.9999	0.0107	9.9999	0.3849	1.0613	0.0118	0.4114	0.0111	0.3876	
138	51.88	0.05	0.0277	9.9999	0.0120	9.9999	0.4332	1.0617	0.0114	0.4101	0.0108	0.3863	

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAIL EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 172 0.80 1.7				0.0	BIWOFIS	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	KCPF3	YCPF3	CNF4	CH4	CB4	KCPF4	YCPF4
139	52.05	0.07	0.0309	9.9999	0.0128	9.9999	0.4142	1.0635	0.0113	0.4102	0.0106	0.3857
140	52.21	0.05	0.0324	9.9999	0.0124	9.9999	0.3827	1.0831	0.0105	0.4180	0.0097	0.3859
141	52.40	0.05	0.0355	9.9999	0.0144	9.9999	0.4056	1.0833	0.0101	0.4156	0.0093	0.3846
142	52.57	0.06	0.0370	9.9999	0.0164	9.9999	0.4432	1.0573	0.0097	0.4075	0.0092	0.3854
143	52.73	0.07	0.0370	9.9999	0.0152	9.9999	0.4108	1.0841	0.0085	0.4177	0.0079	0.3453
144	52.90	0.06	0.0355	9.9999	0.0144	9.9999	0.4056	1.0805	0.0085	0.4159	0.0082	0.3858
145	53.07	0.08	0.0355	9.9999	0.0144	9.9999	0.4056	1.0769	0.0088	0.4149	0.0082	0.3844
146	53.24	0.08	0.0385	9.9999	0.0177	9.9999	0.4597	1.0645	0.0091	0.4080	0.0086	0.3833
147	53.42	0.06	0.0340	9.9999	0.0137	9.9999	0.4029	1.0699	0.0095	0.4103	0.0089	0.3838
148	53.58	0.06	0.0370	9.9999	0.0164	9.9999	0.4432	1.0766	0.0099	0.4122	0.0092	0.3829
149	53.75	0.07	0.0418	9.9999	0.0174	9.9999	0.4173	1.0767	0.0097	0.4128	0.0090	0.3834
150	53.91	0.07	0.0433	9.9999	0.0194	9.9999	0.4491	1.0801	0.0101	0.4151	0.0094	0.3843
151	54.07	0.07	0.0402	9.9999	0.0173	9.9999	0.4303	1.0660	0.0102	0.4088	0.0094	0.3835
152	54.24	0.06	0.0433	9.9999	0.0188	9.9999	0.4352	1.0806	0.0090	0.4149	0.0083	0.3840
153	54.40	0.07	0.0402	9.9999	0.0142	9.9999	0.3532	1.0798	0.0097	0.4137	0.0090	0.3831
154	54.56	0.08	0.0481	9.9999	0.0166	9.9999	0.3458	1.0957	0.0094	0.4200	0.0086	0.3833
155	54.73	0.08	0.0481	9.9999	0.0166	9.9999	0.3458	1.0905	0.0094	0.4198	0.0086	0.3848
156	54.88	0.07	0.0464	9.9999	0.0171	9.9999	0.3693	1.1063	0.0084	0.4251	0.0076	0.3843
157	55.03	0.07	0.0464	9.9999	0.0146	9.9999	0.3133	1.0811	0.0092	0.4156	0.0085	0.3844
158	55.19	0.09	0.0448	9.9999	0.0139	9.9999	0.3110	1.1019	0.0085	0.4241	0.0077	0.3849
159	55.42	0.07	0.0417	9.9999	0.0124	9.9999	0.2981	1.1144	0.0081	0.4301	0.0073	0.3860
160	55.57	0.06	0.0463	9.9999	0.0158	9.9999	0.3420	1.1212	0.0083	0.4319	0.0074	0.3852
161	55.73	0.07	0.0432	9.9999	0.0131	9.9999	0.3039	1.1175	0.0077	0.4315	0.0069	0.3862
162	55.86	0.06	0.0416	9.9999	0.0130	9.9999	0.3133	1.0984	0.0076	0.4236	0.0069	0.3857
163	56.02	0.06	0.0400	9.9999	0.0123	9.9999	0.3075	1.1125	0.0073	0.4291	0.0066	0.3857
164	56.19	0.06	0.0477	9.9999	0.0153	9.9999	0.3214	1.1179	0.0071	0.4320	0.0064	0.3848
165	56.33	0.07	0.0401	9.9999	0.0111	9.9999	0.2768	1.1197	0.0076	0.4323	0.0068	0.3850
166	56.49	0.06	0.0401	9.9999	0.0129	9.9999	0.3217	1.1131	0.0074	0.4298	0.0067	0.3862
167	56.63	0.07	0.0402	9.9999	0.0123	9.9999	0.3060	1.1330	0.0067	0.4363	0.0059	0.3851
168	56.81	0.03	0.0434	9.9999	0.0144	9.9999	0.3326	1.1049	0.0071	0.4279	0.0064	0.3873
169	56.95	0.06	0.0465	9.9999	0.0147	9.9999	0.3168	1.1241	0.0071	0.4351	0.0063	0.3871
170	57.10	0.06	0.0434	9.9999	0.0144	9.9999	0.3326	1.1297	0.0064	0.4367	0.0057	0.3866
171	57.25	0.06	0.0434	9.9999	0.0144	9.9999	0.3326	1.1161	0.0057	0.4311	0.0051	0.3863
172	57.39	0.05	0.0372	9.9999	0.0091	9.9999	0.2446	1.1406	0.0055	0.4406	0.0048	0.3863
173	57.54	0.04	0.0357	9.9999	0.0089	9.9999	0.2493	1.1353	0.0057	0.4383	0.0050	0.3861
174	57.68	0.05	0.0402	9.9999	0.0129	9.9999	0.3209	1.1342	0.0043	0.4373	0.0038	0.3856
175	57.85	0.03	0.0372	9.9999	0.0103	9.9999	0.2749	1.1392	0.0044	0.4404	0.0042	0.3866
176	57.97	0.06	0.0325	9.9999	0.0074	9.9999	0.2277	1.1226	0.0048	0.4339	0.0043	0.3866
177	57.99	0.04	0.0385	9.9999	0.0122	9.9999	0.3169	1.1330	0.0050	0.4379	0.0044	0.3865

PAGE 1 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 173 0.90 1.7			0.0	BLWOFIS	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CH	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
1	-5.70	-0.03	-1.5443	4.9744	0.0103	-0.0516	0.0064	0.4208	0.1162	0.3047	-3.2211
2	-5.70	-0.02	-1.5444	4.9744	0.0639	-0.0686	0.0064	0.4173	0.1142	0.3032	-3.2209
3	-5.69	-0.02	-1.5322	4.9788	0.0245	-0.0427	0.0065	0.4205	0.1145	0.3061	-3.2537
4	-5.70	-0.03	-1.5345	4.9578	0.0089	-0.0727	0.0064	0.4215	0.1144	0.3072	-3.2307
5	-5.70	-0.03	-1.5345	4.9579	0.0118	-0.0308	0.0064	0.4181	0.1143	0.3039	-3.2303
6	-5.59	-0.03	-1.3826	4.5297	0.0117	-0.0310	0.0066	0.4184	0.1032	0.3103	-3.2762
7	-3.67	-0.02	-1.0703	3.7261	0.1179	-0.0747	0.0070	0.3868	0.0991	0.2877	-3.4815
8	-1.87	-0.02	-0.7591	2.9405	0.1289	-0.1196	0.0077	0.3552	0.0895	0.2656	-3.8737
9	-0.01	-0.03	-0.4580	2.2227	0.0492	-0.0560	0.0081	0.3350	0.0849	0.2500	-4.8526
10	1.83	-0.03	0.2064	1.6402	-0.0012	-0.0094	0.0085	0.3125	0.0836	0.2288	-7.9463
11	3.69	-0.04	0.3582	1.0617	-0.0270	0.0145	0.0090	0.2926	0.0853	0.2072	18.2666
12	5.55	-0.03	0.2937	0.6957	0.0253	-0.0123	0.0097	0.2827	0.0947	0.1890	2.3690
13	7.45	-0.04	0.4908	0.4051	-0.0275	0.0147	0.0104	0.2802	0.1071	0.1732	0.8255
14	9.28	-0.04	0.7610	-0.0197	-0.0133	0.0350	0.0111	0.2702	0.1186	0.1537	-0.0252
15	11.18	-0.03	1.3501	-0.5503	-0.0248	0.0796	0.0180	0.2500	0.1265	0.1236	-0.5240
16	13.03	-0.04	1.3503	-1.1367	-0.0543	0.0279	0.0125	0.2252	0.1373	0.0879	-0.8418
17	14.95	-0.05	1.7218	-1.8641	-0.1178	0.0863	0.0195	0.1907	0.1459	0.0448	-1.0827
18	16.94	-0.04	2.1567	-2.6892	-0.0567	0.2320	0.0389	0.1628	0.1549	0.0079	-1.2669
19	18.87	-0.05	2.5537	-3.3887	-0.1761	0.5596	0.0514	0.1371	0.1644	-0.0273	-1.3270
20	20.80	-0.06	3.0056	-4.2861	-0.2704	0.8073	0.0452	0.1055	0.1799	-0.0744	-1.4884
21	22.74	-0.06	3.3234	-4.5756	-0.3316	1.2087	-0.0124	0.1138	0.2015	-0.0877	-1.3788
22	24.64	-0.05	3.7468	-5.0197	-0.2787	1.1612	-0.0874	0.1083	0.2303	-0.1221	-1.3397
23	26.58	-0.04	4.2415	-5.4336	0.0337	0.3372	-0.0386	0.0470	0.2203	-0.1733	-1.2811
24	27.96	-0.00	4.5139	-5.4840	0.4916	-0.8129	0.0484	0.0	0.2045	-0.2045	-1.2149
25	28.04	-0.00	4.5974	-5.5986	0.4796	-0.6230	0.0428	-0.0001	0.2053	-0.2054	-1.2178
26	28.43	-0.00	4.6973	-5.6156	0.4749	-0.8924	0.0621	-0.0074	0.2036	-0.2110	-1.1958
27	28.74	-0.00	4.7918	-5.6264	0.46	-1.1012	0.1014	-0.0164	0.2065	-0.2229	-1.1742
28	29.02	0.00	4.9014	-5.7418	0.45	-1.0560	0.1147	-0.0230	0.2059	-0.2289	-1.1755
29	29.33	0.01	4.9635	-5.3568	0.4155	-1.1956	0.1215	-0.0238	0.2089	-0.2327	-1.1800
30	29.62	0.02	5.0494	-5.8441	0.7560	-1.0536	0.0960	-0.0352	0.2093	-0.2445	-1.1574
31	29.91	0.01	5.1128	-5.6752	0.6159	-0.8770	0.0964	-0.0364	0.2121	-0.2485	-1.1491
32	30.15	0.00	5.1875	-5.7791	0.5786	-0.8190	0.0834	-0.0500	0.2155	-0.2655	-1.1528
33	30.42	0.01	5.2289	-5.8661	0.6812	-0.7575	0.0835	-0.0300	0.2171	-0.2471	-1.1219
34	30.72	0.04	5.4252	-5.7334	1.0129	-1.1598	0.1240	-0.0450	0.2243	-0.2693	-1.0568
35	30.98	0.04	5.4885	-5.7975	0.9695	-1.1639	0.1306	-0.3525	0.2267	-0.2792	-0.0563
36	31.27	0.04	5.5768	-5.4807	0.9373	-1.0313	0.1248	-0.0253	0.2359	-0.2612	-0.9828
37	31.54	0.02	5.6475	-5.6768	0.7910	-0.9504	0.1119	-0.0362	0.2313	-0.2675	-1.0052
38	31.81	0.04	5.7928	-5.3620	1.0004	-1.1235	0.1133	-0.0122	0.2401	-0.2523	-0.9222
39	32.09	0.04	5.8823	-5.4260	0.9945	-1.1852	0.1137	-0.0216	0.2408	-0.2624	-0.9224
40	32.35	0.04	6.0188	-5.3887	0.9808	-1.1957	0.1400	-0.0549	0.2413	-0.2963	-0.8953
41	32.61	0.06	6.0901	-5.2033	1.2147	-1.4030	0.1345	-0.0394	0.2550	-0.2945	-0.8544
42	32.87	0.05	6.1560	-5.1240	1.1762	-1.3546	0.1156	-0.0218	0.2567	-0.2785	-0.8324
43	33.13	0.05	6.2767	-5.1871	1.1364	-1.5217	0.1612	-0.0667	0.2539	-0.3206	-0.8264
44	33.39	0.04	6.5166	-5.2600	1.0679	-1.5016	0.1492	-0.0914	0.2496	-0.3411	-0.8072
45	33.62	0.02	6.5708	-5.1234	0.8154	-1.1512	0.1362	-0.0858	0.2596	-0.3455	-0.7797
46	33.90	0.03	6.6693	-5.0717	0.9547	-1.3147	0.1304	-0.0867	0.2600	-0.3468	-0.7685

PAGE 1 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
 7 173 0.90 1.7 0.0 81WOF15 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CN	CLN	CY	CLM	CLL	CA	CAS	CAF	XCP
47	34.14	0.06	6.7338	-4.8694	1.2142	-1.2083	0.0922	-0.0410	0.2676	-0.3087	-0.7231
48	34.38	0.03	6.8680	-4.9101	0.9200	-1.0447	0.1053	-0.0750	0.2642	-0.3393	-0.7140
49	34.63	0.04	6.9219	-4.9370	0.9899	-1.2006	0.1248	-0.1082	0.2584	-0.3666	-0.7132
50	34.88	0.02	6.9731	-4.9601	0.7706	-1.1524	0.1441	-0.1165	0.2484	-0.3649	-0.7113
51	35.12	0.00	7.1496	-5.0034	0.6186	-1.1218	0.1574	-0.1391	0.2538	-0.3899	-0.6998
52	35.35	0.01	7.2540	-4.8821	0.6918	-1.2696	0.1711	-0.1388	0.2566	-0.3954	-0.6730
53	35.60	0.01	7.2613	-4.9003	0.7299	-1.3159	0.1519	-0.1475	0.2508	-0.3983	-0.6749
54	35.84	-0.01	7.3744	-4.9666	0.4123	-0.9251	0.0808	-0.1726	0.2417	-0.4143	-0.6735
55	36.06	-0.01	7.4912	-4.8539	0.4391	-0.7472	0.0619	-0.1733	0.2384	-0.4117	-0.6480
56	36.30	-0.00	7.4867	-4.8480	0.3858	-0.5286	0.0552	-0.1749	0.2389	-0.4138	-0.6475
57	36.54	-0.01	7.5788	-4.8708	0.4435	-0.5154	0.0428	-0.1716	0.2413	-0.4129	-0.6427
58	36.77	-0.02	7.7070	-4.7659	0.2181	-0.3587	0.0302	-0.1933	0.2376	-0.4309	-0.6184
59	37.02	-0.01	7.7706	-4.7979	0.2636	-0.0836	0.3104	-0.2086	0.2402	-0.4458	-0.6174
60	37.25	-0.00	7.8325	-4.6581	0.3539	-0.1794	0.0047	-0.1920	0.2526	-0.4448	-0.5947
61	37.47	-0.01	7.8876	-4.6054	0.2421	-0.2347	0.0118	-0.1863	0.2500	-0.4363	-0.5839
62	37.71	-0.00	7.9151	-4.5470	0.3091	-0.2630	-0.0008	-0.1866	0.2529	-0.4395	-0.5745
63	37.95	-0.02	8.0319	-4.4387	0.1857	-0.0220	0.0120	-0.1561	0.2699	-0.4260	-0.5526
64	39.17	-0.01	8.0922	-4.5312	0.2526	-0.0157	0.0120	-0.1578	0.2645	-0.4223	-0.5599
65	39.41	0.01	8.1712	-4.5442	0.3947	-0.1836	0.0062	-0.1970	0.2633	-0.4603	-0.5561
66	39.64	0.02	8.2355	-4.1918	0.4244	0.1670	-0.0309	-0.1232	0.2927	-0.4158	-0.5090
67	39.84	0.02	8.2496	-4.1392	0.4903	0.1284	-0.0071	-0.1176	0.2944	-0.4123	-0.5017
68	39.07	0.01	8.1440	-4.1440	0.3943	0.1042	-0.0137	-0.1204	0.2933	-0.4279	-0.4993
69	39.34	-0.01	8.2274	-4.2274	0.0964	0.3726	-0.0175	-0.1753	0.2927	-0.4742	-0.4991
70	39.54	0.01	8.1280	-4.1280	0.2183	0.0674	-0.0130	-0.1307	0.3151	-0.4457	-0.4822
71	39.82	-0.00	8.1426	-4.1426	0.1726	0.5418	-0.0244	-0.1624	0.3056	-0.4679	-0.4866
72	40.03	0.00	8.6081	-3.8959	0.1306	0.7878	-0.0392	-0.1043	0.3511	-0.4553	-0.4527
73	40.23	-0.00	8.7369	-4.0117	0.0815	0.8911	-0.0391	-0.1064	0.3382	-0.4445	-0.4392
74	40.43	0.01	8.7682	-3.9104	0.1547	0.7308	-0.0319	-0.0922	0.3416	-0.4338	-0.4480
75	40.62	-0.02	8.8307	-3.9302	-0.1650	1.0994	-0.0452	-0.1311	0.3187	-0.4477	-0.4451
76	40.84	-0.00	8.8200	-4.0449	0.1317	0.8032	-0.0385	-0.1525	0.3105	-0.4629	-0.4586
77	41.05	-0.01	9.0587	-4.2002	0.0571	0.9450	-0.0126	-0.1739	0.3199	-0.4938	-0.4637
78	41.24	0.01	9.0013	-3.9848	0.3566	0.9416	-0.0386	-0.1183	0.3274	-0.4456	-0.4427
79	41.47	-0.01	9.2229	-4.2975	0.1250	0.6756	-0.0175	-0.2074	0.3111	-0.5185	-0.4660
80	41.65	-0.01	9.2517	-4.2465	0.0646	1.0729	-0.0377	-0.1589	0.3301	-0.4890	-0.4590
81	41.86	-0.03	9.3704	-4.2580	-0.2044	1.0483	-0.0369	-0.2089	0.3066	-0.5155	-0.4544
82	42.07	0.01	9.5755	-4.2710	0.2013	1.1254	-0.0432	-0.1939	0.3118	-0.5057	-0.4460
83	42.23	-0.00	9.3695	-3.9860	0.0617	1.5752	-0.0640	-0.0677	0.3715	-0.4392	-0.4254
84	42.44	-0.02	9.5756	-4.1428	0.0481	1.0075	-0.0359	-0.1954	0.2991	-0.4945	-0.4326
85	42.62	-0.02	9.6034	-4.2610	0.0270	1.1394	-0.0427	-0.2035	0.3093	-0.5128	-0.4437
86	42.80	-0.01	9.6031	-4.2294	0.0662	1.1249	-0.0299	-0.1714	0.3092	-0.4805	-0.4404
87	42.97	-0.04	9.7569	-4.3135	-0.1897	1.0820	-0.0541	-0.2094	0.2936	-0.5030	-0.4421
88	43.15	-0.04	9.7660	-4.1275	-0.2128	1.4421	-0.0424	-0.1832	0.3362	-0.5194	-0.4226
89	43.34	-0.02	9.8562	-4.3642	0.1052	0.5419	-0.0077	-0.2159	0.2904	-0.5063	-0.4428
90	43.53	-0.02	10.0102	-4.2990	0.1831	0.5033	-0.0072	-0.2611	0.2812	-0.5424	-0.4295
91	43.70	-0.06	9.9890	-4.3518	-0.2853	1.3421	-0.0476	-0.1933	0.3064	-0.4997	-0.4357
92	43.89	-0.03	10.0893	-4.2930	-0.0253	1.4354	-0.0480	-0.1797	0.3264	-0.5061	-0.4255

PAGE 1 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 173 0.90 1.7				0.0	81WOF15	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CN	CLN	CV	CLN	CLL	CA	CAB	CAF	XCP
93	44.06	-0.02	10.1399	-4.3091	0.0091	1.8567	-0.0494	-0.1715	0.3516	-0.5231	-0.4250
94	44.26	-0.33	10.3361	-4.3809	0.0171	1.4530	-0.0599	-0.2004	0.3095	-0.5099	-0.4238
95	44.44	-0.05	10.1604	-4.2234	-0.1402	0.7501	-0.0067	-0.2219	0.2919	-0.5138	-0.4157
96	44.63	-0.05	10.1390	-4.3914	-0.0360	0.4142	0.0075	-0.2815	0.2755	-0.5571	-0.4247
97	44.81	-0.36	12.4193	-4.3203	-0.0279	0.0433	0.0410	-0.2851	0.2807	-0.5659	-0.4146
98	44.99	-0.03	10.5022	-4.3682	0.0595	1.5031	-0.0405	-0.2068	0.3213	-0.5281	-0.4159
99	45.17	-0.02	10.5454	-4.4754	0.2887	0.4599	0.0138	-0.2564	0.2152	-0.5417	-0.4244
100	45.36	-0.04	10.7036	-4.5192	0.0977	0.6742	-0.0050	-0.2528	0.2856	-0.5395	-0.4222
101	45.53	-0.33	10.8087	-4.4997	0.1913	0.6525	0.0015	-0.3183	0.2782	-0.5965	-0.4163
102	45.71	-0.01	10.7669	-4.2843	0.2649	1.4479	-0.0585	-0.2291	0.3028	-0.5319	-0.3979
103	45.89	-0.07	10.8713	-4.4504	-0.1531	0.7274	-0.0040	-0.2946	0.2897	-0.5842	-0.4094
104	46.09	-0.04	10.3079	-4.2790	0.1815	-0.0513	0.0493	-0.2834	0.2929	-0.5763	-0.3923
105	46.26	-0.02	11.0107	-4.4160	0.3172	0.7512	-0.0109	-0.2899	0.2950	-0.5848	-0.4011
106	46.44	-0.05	11.0870	-4.3886	0.1997	0.5767	0.0229	-0.3028	0.2978	-0.6035	-0.3958
107	46.61	-0.67	11.0545	-4.3581	-0.0273	0.3033	0.0299	-0.2922	0.2826	-0.5748	-0.3942
108	46.79	-0.07	11.1462	-4.3828	-0.1820	1.2307	-0.0426	-0.2604	0.3003	-0.5607	-0.3932
109	46.97	-0.03	11.3244	-4.2693	0.4112	0.2618	0.0312	-0.2858	0.2825	-0.5684	-0.3778
110	47.12	-0.03	11.2663	-4.4915	0.1906	1.4673	-0.0632	-0.2404	0.3222	-0.5426	-0.3987
111	47.31	-0.01	11.2943	-4.2519	0.5205	0.2900	0.0244	-0.2879	0.2870	-0.5750	-0.3768
112	47.49	-0.02	11.3684	-4.3392	0.5434	0.2175	0.0376	-0.2861	0.2896	-0.5757	-0.3817
113	47.66	-0.04	11.4293	-4.3678	0.1136	1.0072	-0.0150	-0.2883	0.2937	-0.5820	-0.3822
114	47.84	-0.02	11.4521	-4.1497	0.4572	0.9887	-0.0025	-0.2848	0.3296	-0.6134	-0.3624
115	48.02	-0.03	11.6394	-4.2250	0.3900	0.3614	0.0448	-0.2941	0.2977	-0.5917	-0.3630
116	48.18	-0.03	11.7070	-4.1841	0.2280	1.1368	-0.0145	-0.2920	0.3062	-0.5981	-0.3574
117	48.36	-0.04	11.6613	-4.1053	0.1486	1.6838	-0.0544	-0.2503	0.3196	-0.5699	-0.3698
118	48.51	-0.35	11.7116	-4.2978	0.0039	1.7189	-0.0793	-0.2719	0.3350	-0.6069	-0.3670
119	48.69	-0.05	11.8801	-4.4514	-0.0196	2.0494	-0.1180	-0.2113	0.3547	-0.5660	-0.3747
120	48.87	-0.04	11.8762	-4.2797	0.0568	1.9769	-0.0862	-0.2526	0.3515	-0.6041	-0.3604
121	49.04	-0.04	11.9481	-4.2804	0.1270	1.7728	-0.0977	-0.2308	0.3651	-0.5959	-0.3562
122	49.21	-0.00	12.0150	-4.3201	0.4620	2.0472	-0.1053	-0.1530	0.4002	-0.5532	-0.3596
123	49.38	-0.01	11.9895	-4.2538	0.3986	2.1402	-0.0803	-0.1572	0.4063	-0.5635	-0.3548
124	49.58	-0.03	12.1200	-4.3591	0.1150	2.0961	-0.0852	-0.1721	0.4256	-0.5977	-0.3597
125	49.78	0.01	12.7997	-5.1150	0.5486	2.2278	-0.0954	-0.0976	0.4869	-0.5844	-0.4777
126	49.95	-0.04	12.9126	-5.9567	0.0103	2.4218	-0.0720	-0.0967	0.4950	-0.5916	-0.4536
127	50.12	-0.00	12.7491	-5.8888	0.2992	2.3148	-0.0663	-0.1070	0.4732	-0.5802	-0.4619
128	50.31	-0.01	12.9154	-5.9514	0.2782	2.6944	-0.0608	-0.1097	0.4868	-0.5964	-0.4531
129	50.48	0.01	12.9732	-5.7900	0.4883	2.6436	-0.0544	-0.0999	0.4994	-0.5992	-0.4463
130	50.63	0.01	12.8551	-5.6215	0.4711	2.5681	-0.0291	-0.0636	0.5193	-0.5829	-0.4373
131	50.81	0.04	13.0106	-5.5615	0.8355	2.3941	-0.0033	-0.0843	0.5263	-0.6106	-0.4275
132	50.99	0.00	13.1513	-5.6048	0.4318	2.3234	-0.0017	-0.0729	0.5344	-0.6073	-0.4262
133	51.15	0.03	13.3106	-5.6794	0.7715	2.7023	-0.0287	-0.0914	0.5425	-0.6339	-0.4432
134	51.32	0.02	13.3153	-6.1147	0.5988	2.7401	-0.0286	-0.0508	0.5468	-0.5976	-0.4592
135	51.52	0.01	13.8798	-6.7103	0.4560	3.5932	-0.0299	-0.0392	0.5546	-0.5938	-0.4835
136	51.69	0.02	13.8919	-6.8698	0.4694	3.3331	-0.0228	-0.0347	0.5635	-0.6182	-0.4945
137	51.87	-0.02	14.1926	-7.1256	0.1534	3.4399	-0.0154	-0.3982	0.5704	-0.6685	-0.5021
138	52.03	0.03	14.1184	-7.2076	0.6919	3.2533	-0.0098	-0.0559	0.5689	-0.6248	-0.5105

PAGE 1 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6				PHE	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 173 0.90 1.7				0.0	HIWOFIS	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CN	CLN	CY	CLM	CLL	CA	CAB	CAF	KCP
139	52.18	0.05	14.0303	-6.8872	1.2348	2.8782	-0.0032	-0.0897	0.5684	-0.6581	-0.4904
140	52.36	0.07	14.0387	-6.9029	0.6654	2.6975	-0.0140	-0.0806	0.5725	-0.6331	-0.4917
141	52.51	0.00	14.0127	-7.0343	0.5830	2.9215	-0.0211	-0.0343	0.5701	-0.6044	-0.5020
142	52.65	0.04	13.9380	-6.9162	1.0013	2.7314	-0.0088	-0.0520	0.5669	-0.6189	-0.4962
143	52.85	0.02	14.0781	-7.0435	0.7871	2.7465	-0.0143	-0.0575	0.5675	-0.6250	-0.5003
144	53.01	0.03	14.0917	-7.0074	0.8529	2.7276	-0.0079	-0.0631	0.5651	-0.6282	-0.4973
145	53.17	0.01	14.1651	-6.9957	0.7073	2.7356	0.0114	-0.0973	0.5720	-0.6592	-0.4939
146	53.34	-0.01	14.2717	-7.1508	0.5368	2.5581	0.0002	-0.0477	0.5749	-0.6226	-0.5010
147	53.53	-0.00	14.3812	-7.0961	0.5951	2.3679	0.0012	-0.0920	0.5769	-0.6699	-0.4934
148	53.67	-0.01	14.3650	-7.0816	0.5292	2.3845	0.0075	-0.1119	0.5757	-0.6876	-0.4930
149	53.83	0.01	14.4705	-7.4335	0.7034	2.3947	0.0009	-0.0910	0.5758	-0.6668	-0.5137
150	53.98	0.03	14.3770	-7.1447	0.9260	2.0274	0.0145	-0.0855	0.5789	-0.6644	-0.4978
151	54.15	0.04	14.4481	-7.2598	1.0316	1.9848	0.0019	-0.0996	0.5839	-0.6835	-0.5028
152	54.29	0.05	14.3299	-6.9533	1.1728	1.8743	0.0272	-0.0955	0.5778	-0.6774	-0.4852
153	54.45	0.00	14.4438	-7.1896	0.6471	2.0747	0.0151	-0.0897	0.5875	-0.6763	-0.4978
154	54.61	0.01	14.3826	-7.0336	0.8780	1.8578	0.0154	-0.0850	0.5863	-0.6713	-0.4890
155	54.75	-0.01	14.3484	-7.0491	0.4995	2.0666	0.0152	-0.0879	0.5896	-0.6776	-0.4913
156	54.91	-0.03	14.5288	-7.2885	0.4160	1.9796	0.0161	-0.1078	0.5913	-0.6991	-0.5017
157	55.07	-0.01	14.5627	-7.2849	0.6819	1.9326	0.0160	-0.1060	0.5975	-0.7035	-0.4996
158	55.2	0.02	14.3738	-7.0590	0.8716	1.7093	0.0159	-0.0956	0.5939	-0.6866	-0.4911
159	55.37	0.02	14.5571	-6.9547	0.8760	1.5240	0.0300	-0.1215	0.5951	-0.7166	-0.4778
160	55.51	-0.01	14.5641	-7.1546	0.6542	1.3819	0.0183	-0.1151	0.5934	-0.7065	-0.4913
161	55.68	0.03	14.5572	-7.0759	1.0275	1.6077	0.0293	-0.1107	0.5954	-0.7061	-0.4861
162	55.85	0.00	14.5302	-7.1401	0.7789	1.2082	0.0249	-0.1258	0.5991	-0.7259	-0.4914
163	56.00	-0.00	14.6002	-7.0701	0.6425	1.4271	0.0183	-0.1351	0.5987	-0.7368	-0.4842
164	56.13	-0.00	14.4360	-7.0019	0.7294	1.2887	0.0245	-0.1373	0.5925	-0.7298	-0.4850
165	56.30	-0.01	14.6324	-7.2691	0.5865	1.3692	0.0314	-0.0815	0.6010	-0.6826	-0.4960
166	56.46	-0.02	14.5829	-7.1040	0.4737	1.2500	0.0320	-0.1059	0.6063	-0.7122	-0.4871
167	56.61	-0.05	14.6579	-6.9276	0.2275	1.1511	0.0333	-0.1132	0.5949	-0.7081	-0.4726
168	56.76	-0.03	14.6187	-7.0822	0.5348	1.1231	0.0325	-0.1181	0.5916	-0.7097	-0.4845
169	56.90	-0.02	14.6369	-7.1716	0.5477	1.1109	0.0325	-0.1381	0.5916	-0.7297	-0.4900
170	57.06	-0.02	14.6106	-6.8876	0.5312	1.0473	0.0330	-0.1382	0.5920	-0.7302	-0.4716
171	57.20	-0.03	14.8407	-7.2601	0.3984	1.2568	0.0456	-0.1274	0.5914	-0.7198	-0.4862
172	57.36	-0.04	14.8637	-7.0208	0.3715	1.0539	0.0468	-0.1373	0.6086	-0.7459	-0.4723
173	57.51	-0.06	14.8685	-6.3998	0.2101	0.2515	0.0444	-0.1727	0.6071	-0.7798	-0.4304
174	57.65	-0.08	14.8158	-6.9933	0.1083	-0.3525	0.0591	-0.1981	0.5952	-0.7933	-0.4113
175	57.80	-0.11	14.8283	-6.1179	-0.1408	-0.6187	0.0528	-0.1692	0.6035	-0.7727	-0.4126
176	57.94	-0.15	14.8235	-6.6381	-0.5740	-1.0012	0.0395	-0.1651	0.6143	-0.7824	-0.4478
177	58.09	-0.16	14.8424	-6.7128	-0.5614	-1.0131	0.0395	-0.1574	0.6122	-0.7836	-0.4523
178	58.23	-0.12	15.0576	-7.1181	-0.2288	-1.0940	0.0405	-0.1489	0.6261	-0.7750	-0.4727
179	58.37	-0.16	14.9350	-6.8457	-0.6371	-1.0296	0.0397	-0.1419	0.6295	-0.7714	-0.4584
180	58.54	-0.15	15.0812	-6.9287	-0.5205	-0.9895	0.0403	-0.1549	0.6291	-0.7800	-0.4594
181	58.64	-0.16	15.0642	-6.9772	-0.5972	-0.9176	0.0400	-0.1581	0.6263	-0.7864	-0.4632
182	58.74	-0.15	15.1364	-6.9574	-0.4359	-1.1473	0.0534	-0.1664	0.6291	-0.7955	-0.4596
183	58.83	-0.13	15.0279	-6.8717	-0.2910	-1.0156	0.0460	-0.1601	0.6246	-0.7887	-0.4573
184	58.93	-0.11	15.0115	-6.8699	-0.0528	-1.1167	0.0535	-0.1525	0.6270	-0.7795	-0.4590

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6											
7 173 0.90 1.7											
PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
0.0 81W0F15 0.0 0 -10 0 -10 UNKNOWN											
POINT	ALPHA	BETA	CN	CLN	CV	CLN	CLL	CA	CAS	CAF	XCP
185	58.23	-0.14	15.0324	-6.9909	-0.3955	-0.9421	0.0465	-0.1425	0.6285	-0.7710	-0.4651
186	58.22	-0.14	14.9492	-6.9880	-0.3599	-1.0202	0.0463	-0.1476	0.6283	-0.7765	-0.4674
187	58.22	-0.15	14.9737	-6.8370	-0.3584	-0.9993	0.0529	-0.1604	0.6285	-0.7889	-0.4566
188	58.23	-0.16	14.9890	-6.9336	-0.7346	-0.9341	0.0459	-0.1677	0.6292	-0.7969	-0.4626
189	58.22	-0.17	14.9869	-6.9238	-0.5906	-1.0050	0.0462	-0.1617	0.6307	-0.7924	-0.4620
190	58.22	-0.15	14.9724	-6.9123	-0.3842	-1.1761	0.0402	-0.1442	0.6253	-0.7695	-0.4617

PAGE 2 OF 3
SHEET 1 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-0				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 173 0.90 1.7				0.0	8100F15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CHI	C81	XCPF1	YCPF1	CNF2	CH2	C82	XCPF2	YCPF2
1	-5.70	-0.03	-0.0123	0.0045	0.0190	-0.3680	-1.5447	-0.7007	-0.0617	-0.3340	0.0881	0.4767
2	-5.70	-0.02	-0.0175	0.0036	0.0184	-0.2058	-1.0514	-0.7006	-0.0620	-0.3364	0.0885	0.4802
3	-5.69	-0.02	-0.0148	0.0040	0.0181	-0.2704	-1.2230	-0.7035	-0.0619	-0.3384	0.0880	0.4811
4	-5.70	-0.03	-0.0123	0.0046	0.0191	-0.3741	-1.5528	-0.6929	-0.0617	-0.3332	0.0891	0.4809
5	-5.70	-0.03	-0.0200	0.0028	0.0169	-0.1401	-0.8450	-0.6929	-0.0617	-0.3332	0.0891	0.4809
6	-5.59	-0.03	-0.0121	0.0040	0.0179	-0.3307	-1.4793	-0.6156	-0.0603	-0.3089	0.0980	0.5018
7	-3.67	-0.02	-0.0064	0.0046	0.0156	-0.7190	-2.4375	-0.4880	-0.0574	-0.2653	0.1176	0.5437
8	-1.87	-0.02	-0.0018	0.0043	0.0114	-2.3878	-6.3333	-0.3591	-0.0458	-0.2095	0.1275	0.5832
9	-0.01	-0.03	-0.0071	0.0044	0.0103	-0.6200	-1.4507	-0.2390	-0.0352	-0.1494	0.1471	0.6251
10	1.83	-0.03	-0.0082	0.0043	0.0079	-0.5246	-0.9634	-0.1490	-0.0260	-0.0992	0.1748	0.6660
11	3.69	-0.04	-0.0052	0.0039	0.0064	-0.7503	-1.2308	-0.0380	-0.0147	-0.0491	0.3870	1.2895
12	5.55	-0.03	-0.0011	0.0033	0.0067	-3.0012	-6.0909	0.0355	-0.0018	-0.0143	-0.0507	-0.4028
13	7.45	-0.04	-0.0024	0.0029	0.0065	-1.2088	-2.7083	0.0852	0.0146	0.0038	0.1716	0.0447
14	9.28	-0.04	-0.0014	0.0030	0.0090	-2.1437	-6.4286	0.1438	0.0288	0.0343	0.2006	0.2389
15	11.18	-0.03	-0.0015	0.0032	0.0101	-2.1342	-6.7333	0.2203	0.0422	0.0729	0.1914	0.3309
16	13.03	-0.04	-0.0025	0.0021	0.0076	-0.8403	-3.0400	0.3114	0.0545	0.1228	0.1750	0.3942
17	14.95	-0.05	-0.0021	0.0009	0.0057	-0.4287	-2.7143	0.4072	0.0657	0.1728	0.1614	0.4244
18	16.94	-0.04	0.0058	-0.0019	0.0207	-0.3277	3.5690	0.4908	0.0715	0.2093	0.1457	0.4264
19	18.87	-0.05	-0.0152	-0.0084	0.0187	0.5529	-1.2303	0.5733	0.0754	0.2424	0.1316	0.4228
20	20.80	-0.06	-0.0443	-0.0129	0.0133	0.2920	-0.3009	0.5806	0.0787	0.2876	0.1157	0.4225
21	22.74	-0.06	-0.1005	-0.0133	-0.0066	0.1325	-0.0657	0.7420	0.0793	0.3005	0.1069	0.4049
22	24.64	-0.05	-0.1568	-0.0118	-0.0403	0.0754	0.2573	0.8407	0.0770	0.3300	0.0916	0.3925
23	26.58	-0.04	-0.0223	-0.0006	0.0040	0.0269	-0.1794	0.9251	0.0533	0.3343	0.0576	0.3657
24	27.96	-0.00	0.1327	0.0085	0.0765	0.0642	0.5766	0.9603	0.0391	0.3429	0.0407	0.3571
25	28.04	-0.00	0.1327	0.0090	0.0773	0.0680	0.5826	0.9765	0.0398	0.3488	0.0407	0.3572
26	28.43	-0.00	0.1876	0.0132	0.0996	0.0705	0.5309	0.9923	0.0364	0.3510	0.0366	0.3537
27	28.74	-0.00	0.1979	0.0155	0.1039	0.0784	0.5250	1.0015	0.0351	0.3523	0.0350	0.3518
28	29.02	0.00	0.2602	0.0210	0.1343	0.0808	0.5160	0.9991	0.0316	0.3475	0.0316	0.3478
29	29.33	0.01	0.2683	0.0219	0.1347	0.0817	0.5019	1.0185	0.0312	0.3533	0.0306	0.3468
30	29.62	0.02	0.2111	0.0192	0.1125	0.0911	0.5332	1.0335	0.0348	0.3606	0.0336	0.3490
31	29.91	0.01	0.2216	0.0204	0.1161	0.0922	0.5242	1.0338	0.0331	0.3581	0.0320	0.3484
32	30.15	0.00	0.2213	0.0219	0.1175	0.0991	0.5312	1.0430	0.0324	0.3595	0.0310	0.3447
33	30.42	0.01	0.2040	0.0237	0.1106	0.1164	0.5425	1.0460	0.0324	0.3603	0.0309	0.3445
34	30.72	0.04	0.2470	0.0271	0.1292	0.1099	0.5229	1.0492	0.0313	0.3605	0.0298	0.3436
35	30.98	0.04	0.2863	0.0334	0.1424	0.1165	0.4974	1.0406	0.0293	0.3537	0.0282	0.3399
36	31.27	0.04	0.2648	0.0338	0.1361	0.1275	0.5138	1.0377	0.0292	0.3511	0.0282	0.3384
37	31.54	0.02	0.2512	0.0293	0.1270	0.1168	0.5054	1.0646	0.0295	0.3629	0.0278	0.3409
38	31.81	0.04	0.2781	0.0389	0.1365	0.1397	0.4906	1.0350	0.0279	0.3460	0.0270	0.3343
39	32.09	0.04	0.2884	0.0395	0.1435	0.1369	0.4976	1.0530	0.0279	0.3529	0.0265	0.3352
40	32.35	0.04	0.3072	0.0412	0.1467	0.1371	0.4887	1.0591	0.0273	0.3557	0.0258	0.3359
41	32.61	0.06	0.3224	0.0452	0.1538	0.1401	0.4770	1.0622	0.0266	0.3566	0.0251	0.3358
42	32.87	0.05	0.3094	0.0483	0.1458	0.1560	0.4712	1.0593	0.0265	0.3533	0.0251	0.3336
43	33.13	0.05	0.3383	0.0461	0.1591	0.1362	0.4703	1.0758	0.0262	0.3601	0.0244	0.3348
44	33.39	0.04	0.3153	0.0410	0.1477	0.1299	0.4684	1.1087	0.0271	0.3738	0.0245	0.3371
45	33.62	0.02	0.2943	0.0398	0.1395	0.1351	0.4740	1.1280	0.0273	0.3838	0.0242	0.3402
46	33.90	0.03	0.2959	0.0435	0.1423	0.1469	0.4809	1.1057	0.0264	0.3719	0.0239	0.3383

PAGE 2 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PMI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 173 0.90 1.7				0.0	81WOF15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CM1	CB1	XCPF1	YCPF1	CNF2	CM2	CB2	XCPF2	YCPF2
47	34.14	0.06	0.2759	0.0469	0.1342	0.1699	0.4862	1.0834	0.0256	0.3597	0.0237	0.3320
48	34.38	0.03	0.2789	0.0391	0.1376	0.1400	0.4932	1.1327	0.0266	0.3801	0.0235	0.3355
49	34.63	0.04	0.2643	0.0339	0.1328	0.1251	0.5023	1.1366	0.0272	0.3830	0.0240	0.3369
50	34.88	0.02	0.2817	0.0278	0.1414	0.0988	0.5018	1.1663	0.0281	0.3945	0.0241	0.3382
51	35.12	0.00	0.3211	0.0320	0.1544	0.0995	0.4808	1.1623	0.0260	0.3904	0.0224	0.3359
52	35.35	0.01	0.3301	0.0320	0.1594	0.0968	0.4829	1.1593	0.0259	0.3884	0.0224	0.3350
53	35.60	0.01	0.2964	0.0265	0.1463	0.0896	0.4936	1.1905	0.0271	0.4024	0.0228	0.3380
54	35.84	-0.01	0.1802	0.0143	0.0919	0.0795	0.5100	1.2374	0.0322	0.4269	0.0260	0.3450
55	36.06	-0.01	0.1594	0.0143	0.0802	0.0899	0.5031	1.2445	0.0327	0.4276	0.0262	0.3436
56	36.30	-0.00	0.1064	0.0111	0.0549	0.1045	0.5155	1.2577	0.0346	0.4336	0.0275	0.3448
57	36.54	-0.01	0.1061	0.0107	0.0572	0.1010	0.5397	1.2800	0.0348	0.4444	0.0272	0.3472
58	36.77	-0.02	0.0763	0.0394	0.0462	0.1239	0.6074	1.2766	0.0383	0.4419	0.0300	0.3462
59	37.02	-0.01	0.0547	0.0086	0.0303	0.1576	0.5549	1.2886	0.0377	0.4465	0.0292	0.3465
60	37.25	-0.00	0.0236	0.0354	0.0167	0.2289	0.7076	1.2884	0.0388	0.4465	0.0301	0.3466
61	37.47	-0.01	0.0676	0.0082	0.0487	0.1215	0.7203	1.2796	0.0386	0.4410	0.0301	0.3447
62	37.71	-0.00	0.0372	0.0052	0.0286	0.1398	0.7688	1.3002	0.0401	0.4507	0.0308	0.3466
63	37.95	-0.02	0.0741	0.0093	0.0500	0.1257	0.6743	1.2659	0.0372	0.4333	0.0294	0.3423
64	38.17	-0.01	0.0417	0.0062	0.0367	0.1491	0.8822	1.2833	0.0402	0.4409	0.0313	0.3436
65	38.41	0.01	0.0354	0.0062	0.0280	0.1733	0.7821	1.3069	0.0404	0.4537	0.0309	0.3471
66	38.64	0.02	0.0312	0.0056	0.0326	0.1796	1.0449	1.2731	0.0386	0.4369	0.0303	0.3432
67	38.84	0.02	0.0309	0.0065	0.0339	0.2104	1.0971	1.2540	0.0370	0.4263	0.0295	0.3408
68	39.07	0.01	0.0155	0.0059	0.0264	0.3808	1.7032	1.2632	0.0355	0.4306	0.0281	0.3409
69	39.34	-0.01	0.0060	0.0358	0.0203	0.7253	2.5375	1.2774	0.0364	0.4378	0.0285	0.3426
70	39.54	0.01	-0.0154	0.0039	0.0112	-0.2533	-0.7273	1.2588	0.0349	0.4260	0.0277	0.3384
71	39.82	-0.00	-0.0217	0.0036	0.0064	-0.1752	-0.2949	1.2515	0.0342	0.4218	0.0273	0.3370
72	40.03	0.00	-0.0387	0.0039	-0.0001	-0.1008	0.0026	1.2503	0.0332	0.4197	0.0265	0.3349
73	40.23	-0.00	-0.0528	0.0013	-0.0066	-0.0247	0.1252	1.2711	0.0343	0.4270	0.0270	0.3365
74	40.43	0.01	-0.0428	0.0031	-0.0004	-0.0726	0.0141	1.2909	0.0325	0.4207	0.0257	0.3337
75	40.62	-0.02	-0.0748	0.0028	-0.0174	-0.0375	0.2329	1.2321	0.0320	0.4099	0.0259	0.3319
76	40.84	-0.00	-0.0643	0.0007	-0.0125	-0.0109	0.1947	1.2034	0.0366	0.4336	0.0285	0.3379
77	41.05	-0.01	-0.0557	0.0035	-0.0066	-0.0630	0.1187	1.2677	0.0333	0.4220	0.0262	0.3329
78	41.24	0.01	-0.0903	0.0011	-0.0240	-0.0122	0.2661	1.2398	0.0313	0.4069	0.0252	0.3298
79	41.47	-0.01	-0.0521	-0.0006	-0.0097	0.0115	0.1865	1.3510	0.0380	0.4567	0.0281	0.3360
80	41.65	-0.01	-0.0872	-0.0011	-0.0233	0.0126	0.2675	1.3035	0.0354	0.4342	0.0271	0.3331
81	41.86	-0.03	-0.1112	-0.0046	-0.0362	0.0414	0.3258	1.3137	0.0373	0.4381	0.0284	0.3335
82	42.07	0.01	-0.1163	-0.0052	-0.0368	0.0448	0.3167	1.3131	0.0368	0.4357	0.0280	0.3318
83	42.23	-0.00	-0.1472	-0.0061	-0.0518	0.0415	0.3517	1.2663	0.0319	0.4203	0.0252	0.3319
84	42.44	-0.02	-0.1446	-0.0089	-0.0485	0.0617	0.3352	1.3261	0.0387	0.4428	0.0292	0.3339
85	42.62	-0.02	-0.0833	-0.0029	-0.0289	0.0349	0.3474	1.3535	0.0391	0.4524	0.0289	0.3342
86	42.80	-0.01	-0.1468	-0.0061	-0.0529	0.0416	0.3602	1.2776	0.0334	0.4185	0.0261	0.3276
87	42.97	-0.04	-0.1102	-0.0052	-0.0408	0.0472	0.3697	1.3358	0.0394	0.4425	0.0295	0.3313
88	43.15	-0.04	-0.1286	-0.0070	-0.0435	0.0545	0.3380	1.3190	0.0376	0.4381	0.0285	0.3322
89	43.34	-0.02	-0.0436	-0.0002	-0.0104	0.0046	0.2391	1.3367	0.0346	0.4414	0.0258	0.3297
90	43.53	-0.02	-0.1002	-0.0056	-0.0322	0.0560	0.3217	1.3498	0.0398	0.4473	0.0295	0.3314
91	43.70	-0.06	-0.1124	-0.0061	-0.0446	0.0543	0.3963	1.3327	0.0382	0.4410	0.0284	0.3309
92	43.89	-0.03	-0.1855	-0.0111	-0.0658	0.0599	0.3546	1.3125	0.0356	0.4314	0.0266	0.3267

PAGE 2 OF 3
SHEET 3 OF 8

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 173 0.90 1.7				0.0	81WOF15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
93	44.26	-0.02	-0.1949	-0.0118	-0.0749	0.0606	0.3842	1.3188	0.0370	0.4362	0.0260	0.3308
94	44.26	-0.03	-0.1695	-0.0099	-0.0731	0.0595	0.4312	1.3292	0.0371	0.4383	0.0279	0.3298
95	44.44	-0.05	-0.0151	0.0011	0.0003	-0.0729	-0.0199	1.3648	0.0372	0.4496	0.0272	0.3296
96	44.63	-0.05	-0.0198	0.0009	-0.0054	-0.0455	0.2727	1.3723	0.0357	0.4543	0.0260	0.3310
97	44.81	-0.06	0.0831	0.0128	0.0435	0.1543	0.5229	1.3672	0.0366	0.4521	0.0253	0.3306
98	44.99	-0.03	-0.1999	-0.0134	-0.0768	0.0671	0.3941	1.3737	0.0359	0.4359	0.0271	0.3294
99	45.17	-0.02	0.0005	0.0053	0.0031	10.6042	6.2000	1.3616	0.0366	0.4492	0.0269	0.3299
100	45.36	-0.04	-0.0622	-0.0021	-0.0340	0.0338	0.5475	1.3503	0.0327	0.4445	0.0242	0.3292
101	45.53	-0.03	-0.0245	0.0008	-0.0105	-0.0327	0.4286	1.3752	0.0382	0.4564	0.0278	0.3319
102	45.71	-0.01	-0.1508	-0.0111	-0.0677	0.0737	0.4489	1.3430	0.0369	0.4424	0.0274	0.3294
103	45.89	-0.07	-0.0352	0.0007	-0.0117	-0.0199	0.3324	1.3664	0.0384	0.4521	0.0281	0.3308
104	46.09	-0.04	0.1012	0.0145	0.0491	0.1435	0.4847	1.3526	0.0317	0.4458	0.0234	0.3296
105	46.26	-0.02	-0.0542	-0.0033	-0.0212	0.0610	0.3919	1.3728	0.0360	0.4549	0.0277	0.3313
106	46.44	-0.05	0.0095	0.0066	0.0059	0.6950	0.6211	1.3663	0.0375	0.4508	0.0274	0.3299
107	46.61	-0.07	0.0045	0.0059	0.0030	1.3116	0.6667	1.3489	0.0353	0.4444	0.0261	0.3295
108	46.79	-0.07	-0.0597	-0.0028	-0.0309	0.0470	0.5185	1.3517	0.0357	0.4471	0.0264	0.3308
109	46.97	-0.03	-0.0510	-0.0053	-0.0222	0.1042	0.4361	1.3553	0.0366	0.4474	0.0270	0.3362
110	47.12	-0.03	-0.2400	-0.0254	-0.1136	0.1060	0.4735	1.3382	0.0344	0.4440	0.0257	0.3318
111	47.31	-0.01	-0.0832	-0.0067	-0.0351	0.0807	0.4224	1.3508	0.0394	0.4496	0.0291	0.3328
112	47.49	-0.02	-0.0959	-0.0088	-0.0401	0.0919	0.4186	1.3640	0.0392	0.4463	0.0295	0.3311
113	47.66	-0.04	-0.1259	-0.0139	-0.0579	0.1106	0.4598	1.3540	0.0381	0.4486	0.0281	0.3313
114	47.84	-0.02	-0.1022	-0.0121	-0.0401	0.1186	0.3928	1.3477	0.0360	0.4455	0.0267	0.3306
115	48.02	-0.03	-0.0528	-0.0060	-0.0185	0.1139	0.3510	1.3486	0.0332	0.4442	0.0246	0.3294
116	48.18	-0.03	-0.1033	-0.0105	-0.0453	0.1018	0.4380	1.3436	0.0372	0.4445	0.0277	0.3309
117	48.36	-0.04	-0.1890	-0.0229	-0.0859	0.1213	0.4544	1.3375	0.0325	0.4415	0.0243	0.3301
118	48.51	-0.05	-0.1865	-0.0221	-0.0849	0.1187	0.4552	1.3318	0.0306	0.4403	0.0230	0.3306
119	48.69	-0.05	-0.2316	-0.0391	-0.1054	0.1687	0.4553	1.3527	0.0213	0.4498	0.0158	0.3325
120	48.87	-0.04	-0.1734	-0.0268	-0.0803	0.1548	0.4630	1.3431	0.0261	0.4456	0.0195	0.3318
121	49.04	-0.04	-0.1805	-0.0351	-0.0803	0.1942	0.4446	1.3403	0.0200	0.4439	0.0149	0.3312
122	49.21	-0.00	-0.2082	-0.0413	-0.0927	0.1983	0.4454	1.3422	0.0162	0.4456	0.0121	0.3320
123	49.38	-0.01	-0.1659	-0.0367	-0.0767	0.2210	0.4623	1.2949	0.0093	0.4237	0.0072	0.3272
124	49.58	-0.03	-0.1821	-0.0386	-0.0838	0.2117	0.4601	1.3289	0.0115	0.4408	0.0087	0.3317
125	49.78	0.01	-0.1584	-0.0370	-0.0695	0.2333	0.4387	1.2765	0.0097	0.4191	0.0076	0.3276
126	49.95	-0.04	-0.1548	-0.0314	-0.0719	0.2025	0.4644	1.2581	0.0075	0.4099	0.0060	0.3258
127	50.12	-0.00	-0.1381	-0.0310	-0.0631	0.2242	0.4569	1.2691	0.0079	0.4168	0.0062	0.3264
128	50.31	-0.01	-0.1405	-0.0356	-0.0623	0.2531	0.4433	1.2621	0.0043	0.4166	0.0034	0.3301
129	50.48	0.01	-0.1395	-0.0325	-0.0618	0.2327	0.4429	1.2519	0.0045	0.4105	0.0036	0.3279
130	50.63	0.01	-0.0861	-0.0245	-0.0394	0.2850	0.4581	1.2474	0.0034	0.4094	0.0027	0.3282
131	50.81	0.04	-0.0639	-0.0181	-0.0276	0.2838	0.4326	1.2183	0.0020	0.3975	0.0016	0.3263
132	50.99	0.09	-0.0967	-0.0234	-0.0417	0.2423	0.4306	1.2036	0.0020	0.3928	0.0017	0.3263
133	51.15	0.03	-0.1168	-0.0262	-0.0522	0.2246	0.4464	1.2110	0.0007	0.3974	0.0006	0.3282
134	51.32	0.02	-0.1245	-0.0277	-0.0549	0.2229	0.4409	1.2253	0.0005	0.4055	0.0004	0.3309
135	51.52	0.01	-0.1552	-0.0330	-0.0641	0.2123	0.4129	1.2034	0.0011	0.3950	0.0009	0.3282
136	51.69	0.02	-0.0997	-0.0253	-0.0375	0.2541	0.3765	1.2325	0.0010	0.4091	0.0008	0.3319
137	51.87	-0.02	-0.1048	-0.0236	-0.0426	0.2255	0.4059	1.2138	0.0005	0.4021	0.0004	0.3313
138	52.03	0.03	-0.0693	-0.0188	-0.0271	0.2718	0.3916	1.2300	0.0005	0.4081	0.0004	0.3318

PAGE 2 OF 3
SHEET 4 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 173 0.90 1.7 0.0 B1WOF15 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CNF1	CH1	CB1	XCDF1	YCDF1	CNF2	CH2	CB2	XCDF2	YCDF2
139	52.18	0.08	-0.0617	-0.0191	-0.0235	0.3102	0.3815	1.2389	0.0002	0.4106	0.0002	0.3314
140	52.36	0.02	-0.0519	-0.0175	-0.0171	0.3380	0.3301	1.2582	0.0008	0.4174	0.0006	0.3317
141	52.51	0.00	-0.0734	-0.0181	-0.0281	0.2470	0.3834	1.2450	0.0007	0.4128	0.0006	0.3316
142	52.65	0.04	-0.0623	-0.0156	-0.0220	0.2509	0.3537	1.2479	0.0014	0.4125	0.0011	0.3306
143	52.85	0.02	-0.0588	-0.0150	-0.0163	0.2556	0.2777	1.2561	0.0008	0.4161	0.0006	0.3313
144	53.01	0.03	-0.0536	-0.0127	-0.0166	0.2375	0.3103	1.2488	0.0014	0.4120	0.0011	0.3299
145	53.17	0.01	-0.0411	-0.0112	-0.0099	0.2733	0.2415	1.2625	0.0009	0.4171	0.0006	0.3304
146	53.34	-0.01	-0.0476	-0.0115	-0.0118	0.2422	0.2484	1.2655	-0.0004	0.4208	-0.0003	0.3325
147	53.53	-0.00	-0.0324	-0.0074	-0.0056	0.2285	0.1728	1.2537	0.0004	0.4122	0.0003	0.3288
148	53.67	-0.01	-0.0199	-0.0067	-0.0016	0.3368	-0.0804	1.2656	-0.0003	0.4179	-0.0002	0.3302
149	53.83	0.01	-0.0275	-0.0083	-0.0018	0.3019	0.0655	1.2779	-0.0012	0.4240	-0.0009	0.3318
150	53.98	0.03	-0.0342	-0.0060	-0.0033	0.1755	0.0965	1.2763	-0.0003	0.4216	-0.0002	0.3304
151	54.15	0.04	-0.0318	-0.0059	-0.0007	0.1856	0.0220	1.2646	-0.0005	0.4165	-0.0004	0.3294
152	54.29	0.05	-0.0206	-0.0029	0.0049	0.1408	-0.2379	1.2586	-0.0003	0.4125	-0.0002	0.3277
153	54.45	0.00	-0.0202	-0.0042	0.0025	0.2080	-0.1238	1.2603	-0.0020	0.4149	-0.0016	0.3292
154	54.61	0.01	-0.0255	-0.0035	0.0008	0.1373	-0.0314	1.2706	-0.0018	0.4193	-0.0014	0.3300
155	54.75	-0.01	-0.0280	-0.0033	-0.0006	0.1179	0.0214	1.2559	-0.0021	0.4133	-0.0017	0.3291
156	54.91	-0.03	-0.0153	-0.0019	0.0050	0.1742	-0.3268	1.2673	-0.0030	0.4258	-0.0023	0.3308
157	55.07	-0.01	-0.0207	-0.0028	0.0049	0.1353	-0.2367	1.2827	-0.0021	0.4253	-0.0016	0.3300
158	55.23	0.02	-0.0208	-0.0019	0.0056	0.0914	-0.2692	1.2726	-0.0024	0.4187	-0.0019	0.3290
159	55.37	0.02	-0.0020	0.0014	0.0155	-0.7003	-7.7500	1.2816	-0.0035	0.4217	-0.0027	0.3291
160	55.51	-0.01	-0.0033	0.0009	0.0153	-0.2728	-4.6364	1.2845	-0.0033	0.4237	-0.0026	0.3299
161	55.68	0.03	-0.0239	-0.0006	0.0078	0.0251	-0.3264	1.2815	-0.0029	0.4212	-0.0023	0.3287
162	55.85	0.00	-0.0099	0.0016	0.0136	-0.1617	-1.3737	1.2801	-0.0036	0.4210	-0.0028	0.3289
163	56.00	-0.00	-0.0088	0.0028	0.0144	-0.3183	-1.6364	1.2844	-0.0024	0.4232	-0.0019	0.3295
164	56.13	-0.00	-0.0087	0.0018	0.0149	-0.2070	-1.7126	1.2742	-0.0030	0.4170	-0.0024	0.3273
165	56.30	-0.01	-0.0038	0.0048	0.0170	-1.2637	-4.4737	1.2765	-0.0048	0.4206	-0.0030	0.3295
166	56.46	-0.02	-0.0260	0.0025	0.0129	-0.0962	-0.4192	1.2676	-0.0043	0.4157	-0.0034	0.3288
167	56.61	-0.05	-0.0175	0.0043	0.0184	-0.2458	-1.0514	1.2659	-0.0023	0.4139	-0.0018	0.3270
168	56.76	-0.03	-0.0138	0.0051	0.0206	-0.3697	-1.4928	1.2640	-0.0035	0.4153	-0.0028	0.3273
169	56.90	-0.02	-0.0140	0.0052	0.0223	-0.3716	-1.5929	1.2706	-0.0042	0.4160	-0.0033	0.3274
170	57.06	-0.02	-0.0270	0.0038	0.0185	-0.1408	-0.6852	1.2780	-0.0040	0.4164	-0.0031	0.3274
171	57.20	-0.03	-0.0315	0.0055	0.0200	-0.1747	-0.6349	1.2739	-0.0042	0.4185	-0.0033	0.3285
172	57.36	-0.04	-0.0525	0.0039	0.0135	-0.0745	-0.2576	1.2566	-0.0034	0.4099	-0.0027	0.3262
173	57.51	-0.06	-0.0260	0.0082	0.0285	-0.3155	-1.0962	1.2907	-0.0032	0.4246	-0.0025	0.3290
174	57.65	-0.08	-0.0287	0.0087	0.0283	-0.3033	-0.9861	1.2849	-0.0040	0.4211	-0.0031	0.3277
175	57.80	-0.11	-0.0405	0.0085	0.0247	-0.2100	-0.6099	1.2879	-0.0043	0.4237	-0.0033	0.3290
176	57.94	-0.15	-0.0427	0.0024	0.0236	-0.0564	-0.5540	1.2820	-0.0053	0.4220	-0.0041	0.3292
177	58.09	-0.16	-0.0560	0.0024	0.0211	-0.0430	-0.3775	1.2612	-0.0053	0.4143	-0.0042	0.3265
178	58.23	-0.12	-0.0610	-0.0006	0.0190	0.0099	-0.3120	1.2829	-0.0066	0.4225	-0.0052	0.3294
179	58.23	-0.16	-0.0694	-0.0006	0.0205	0.0087	-0.2958	1.2743	-0.0057	0.4187	-0.0045	0.3286
180	58.24	-0.15	-0.0564	-0.0002	0.0248	0.0036	-0.4405	1.2803	-0.0057	0.4198	-0.0045	0.3279
181	58.24	-0.16	-0.0916	-0.0036	0.0137	0.0394	-0.1497	1.2548	-0.0044	0.4080	-0.0035	0.3259
182	58.24	-0.15	-0.0864	-0.0034	0.0160	0.0394	-0.1854	1.2653	-0.0050	0.4139	-0.0040	0.3271
183	58.23	-0.13	-0.0686	-0.0003	0.0247	0.0044	-0.3606	1.2801	-0.0054	0.4216	-0.0042	0.3294
184	58.23	-0.11	-0.0774	-0.0022	0.0200	0.0285	-0.2587	1.2653	-0.0054	0.4156	-0.0043	0.3285

PAGE 2 OF 3
SHEET 5 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PH1 CNF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 173 0.90 1.7 0.0 8180F15 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CNF1	CHI	CB1	XCPF1	YCPF1	CNF2	CM2	CB2	XCPF2	YCPF2
185	58.23	-0.14	-0.0815	-0.0017	0.0185	0.0209	-0.2273	1.2823	-0.0057	0.4235	-0.0045	0.3303
186	58.22	-0.14	-0.0712	-0.0002	0.0227	0.0028	-0.3193	1.2764	-0.0055	0.4183	-0.0043	0.3277
187	58.22	-0.15	-0.0857	-0.0017	0.0192	0.0199	-0.2243	1.2690	-0.0053	0.4141	-0.0042	0.3263
188	58.23	-0.18	-0.0779	-0.0015	0.0230	0.0193	-0.2956	1.2746	-0.0054	0.4177	-0.0042	0.3277
189	58.22	-0.17	-0.0803	-0.0019	0.0196	0.0237	-0.2469	1.2648	-0.0054	0.4144	-0.0043	0.3277
190	58.22	-0.15	-0.0776	-0.0013	0.0213	0.0167	-0.2741	1.2722	-0.0054	0.4174	-0.0043	0.3281

PAGE 3 OF 3
SHEET 1 OF 8

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 173 0.90 1.7				0.0	81WOF15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.70	-0.03	-0.0036	9.9999	0.0169	9.9999	-4.6944	-0.7533	-0.0631	-0.3437	0.0537	0.4522
2	-5.70	-0.02	-0.0035	9.9999	0.0158	9.9999	-4.5143	-0.7565	-0.0631	-0.3415	0.0534	0.4514
3	-5.69	-0.02	-0.0022	9.9999	0.0165	9.9999	-7.5000	-0.7610	-0.0634	-0.3425	0.0533	0.4501
4	-5.70	-0.03	-0.0049	9.9999	0.0163	9.9999	-3.3265	-0.7530	-0.0635	-0.3395	0.0543	0.4509
5	-5.70	-0.03	-0.0049	9.9999	0.0158	9.9999	-3.2245	-0.7472	-0.0628	-0.3373	0.0540	0.4514
6	-5.59	-0.03	-0.0049	9.9999	0.0158	9.9999	-3.2245	-0.6818	-0.0609	-0.3122	0.0593	0.4579
7	-3.67	-0.02	-0.0035	9.9999	0.0159	9.9999	-4.5429	-0.5588	-0.0570	-0.2620	0.1020	0.4689
8	-1.87	-0.02	-0.0036	9.9999	0.0169	9.9999	-4.6944	-0.4350	-0.0480	-0.2052	0.1103	0.4716
9	-0.01	-0.03	-0.0063	9.9999	0.0156	9.9999	-2.4762	-0.3118	-0.0369	-0.1445	0.1182	0.4634
10	1.83	-0.03	-0.0010	9.9999	0.0209	9.9999	-20.9000	-0.2102	-0.0269	-0.0938	0.1282	0.4464
11	3.69	-0.04	-0.0077	9.9999	0.0171	9.9999	-2.2208	-0.0971	-0.0156	-0.0461	0.1609	0.4742
12	5.55	-0.03	-0.0050	9.9999	0.0179	9.9999	-3.5800	-0.0207	-0.0019	-0.0149	0.0918	0.7198
13	7.45	-0.04	-0.0022	9.9999	0.0165	9.9999	-7.5000	0.0353	0.0152	0.0061	0.4308	0.1728
14	9.28	-0.04	0.0076	9.9999	0.0157	9.9999	2.0658	0.1051	0.0297	0.0352	0.2430	0.3352
15	11.18	-0.03	0.0048	9.9999	0.0144	9.9999	3.0000	0.1905	0.0445	0.0803	0.2334	0.4214
16	13.03	-0.04	0.0172	9.9999	0.0164	9.9999	0.9535	0.2633	0.0568	0.1313	0.2004	0.4633
17	14.95	-0.05	0.0131	9.9999	0.0145	9.9999	1.1069	0.3858	0.0682	0.1845	0.1768	0.4783
18	16.94	-0.04	0.0146	9.9999	0.0119	9.9999	0.8151	0.5068	0.0763	0.2415	0.1506	0.4765
19	18.87	-0.05	0.0134	9.9999	0.0081	9.9999	0.6045	0.6253	0.0799	0.2942	0.1278	0.4705
20	20.80	-0.06	0.0108	9.9999	0.0052	9.9999	0.4815	0.7346	0.0797	0.3380	0.1085	0.4601
21	22.74	-0.06	0.0245	9.9999	0.0084	9.9999	0.3429	0.7065	0.0447	0.2392	0.0632	0.4093
22	24.64	-0.05	0.0287	9.9999	0.0087	9.9999	0.3031	0.7082	0.0351	0.2873	0.0495	0.4056
23	26.58	-0.04	0.0384	9.9999	0.0111	9.9999	0.2891	0.8057	0.0372	0.3356	0.0461	0.4166
24	27.96	-0.00	0.0328	9.9999	0.0112	9.9999	0.3415	0.5390	0.0419	0.3565	0.0499	0.4249
25	28.04	-0.00	0.0494	9.9999	0.0158	9.9999	0.3205	0.8494	0.0394	0.3625	0.0463	0.4268
26	28.43	-0.00	0.0523	9.9999	0.0171	9.9999	0.3276	0.8533	0.0408	0.3698	0.0478	0.4321
27	28.74	-0.00	0.0496	9.9999	0.0137	9.9999	0.2768	0.8590	0.0424	0.3769	0.0493	0.4387
28	29.02	0.00	0.0525	9.9999	0.0139	9.9999	0.2653	0.8759	0.0423	0.3861	0.0483	0.4406
29	29.33	0.01	0.0553	9.9999	0.0141	9.9999	0.2554	0.8876	0.0412	0.3937	0.0464	0.4436
30	29.62	0.02	0.0609	9.9999	0.0162	9.9999	0.2664	0.8828	0.0379	0.3928	0.0429	0.4449
31	29.91	0.01	0.0499	9.9999	0.0116	9.9999	0.2329	0.8863	0.0373	0.3941	0.0420	0.4446
32	30.15	0.00	0.0568	9.9999	0.0132	9.9999	0.2328	0.8857	0.0354	0.3955	0.0399	0.4465
33	30.42	0.01	0.0581	9.9999	0.0149	9.9999	0.2569	0.8697	0.0331	0.3876	0.0380	0.4457
34	30.72	0.04	0.0609	9.9999	0.0162	9.9999	0.2664	0.8909	0.0344	0.4021	0.0386	0.4513
35	30.98	0.04	0.0608	9.9999	0.0179	9.9999	0.2949	0.8940	0.0345	0.4034	0.0385	0.4512
36	31.27	0.04	0.0540	9.9999	0.0130	9.9999	0.2412	0.8686	0.0325	0.3938	0.0374	0.4534
37	31.54	0.02	0.0540	9.9999	0.0141	9.9999	0.2616	0.8881	0.0339	0.4035	0.0381	0.4543
38	31.81	0.04	0.0663	9.9999	0.0188	9.9999	0.2840	0.8501	0.0319	0.3877	0.0375	0.4560
39	32.09	0.04	0.0635	9.9999	0.0192	9.9999	0.3028	0.8472	0.0315	0.3875	0.0371	0.4573
40	32.35	0.04	0.0580	9.9999	0.0171	9.9999	0.2953	0.8483	0.0324	0.4109	0.0360	0.4574
41	32.61	0.06	0.0634	9.9999	0.0208	9.9999	0.3286	0.8708	0.0312	0.3989	0.0358	0.4581
42	32.87	0.05	0.0620	9.9999	0.0212	9.9999	0.3425	0.8448	0.0300	0.3876	0.0356	0.4588
43	33.13	0.05	0.0620	9.9999	0.0212	9.9999	0.3425	0.9308	0.0329	0.4272	0.0353	0.4590
44	33.39	0.04	0.0634	9.9999	0.0224	9.9999	0.3539	0.9599	0.0342	0.4417	0.0354	0.4602
45	33.62	0.02	0.0579	9.9999	0.0198	9.9999	0.3428	0.9636	0.0330	0.4435	0.0347	0.4603
46	33.90	0.03	0.0700	9.9999	0.0267	9.9999	0.3820	0.9043	0.0302	0.4163	0.0335	0.4604

PAGE 3 OF 3
SHEET 2 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	REIO-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7		173	0.00	1.7	0.0	ALVOF15	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CNF3	CH3	CB3	KCPF3	YCPF3	CNF4	CH4	CB4	KCPF4	YCPF4
47	34.14	0.06	0.0578	9.9999	0.0203	9.9999	0.3518	0.8277	0.0276	0.3827	0.0334	0.4623
48	34.38	0.03	0.0632	9.9999	0.0240	9.9999	0.3803	0.9370	0.0302	0.4291	0.0323	0.4580
49	34.63	0.04	0.0631	9.9999	0.0245	9.9999	0.3589	0.9581	0.0315	0.4388	0.0328	0.4580
50	34.88	0.02	0.0590	9.9999	0.0215	9.9999	0.3650	1.0115	0.0367	0.4655	0.0362	0.4602
51	35.12	0.00	0.0522	9.9999	0.0188	9.9999	0.3608	1.0239	0.0370	0.4699	0.0361	0.4589
52	35.35	0.01	0.0577	9.9999	0.0208	9.9999	0.3611	1.0238	0.0371	0.4716	0.0362	0.4606
53	35.60	0.01	0.0550	9.9999	0.0190	9.9999	0.3461	1.0298	0.0377	0.4744	0.0366	0.4607
54	35.84	-0.01	0.0535	9.9999	0.0200	9.9999	0.3745	1.0423	0.0374	0.4793	0.0358	0.4598
55	36.06	-0.01	0.0493	9.9999	0.0191	9.9999	0.3882	1.0306	0.0360	0.4748	0.0349	0.4607
56	36.30	-0.00	0.0369	9.9999	0.0138	9.9999	0.3740	1.0405	0.0348	0.4782	0.0334	0.4596
57	36.54	-0.01	0.0438	9.9999	0.0175	9.9999	0.4005	1.0514	0.0346	0.4813	0.0329	0.4578
58	36.77	-0.02	0.0520	9.9999	0.0204	9.9999	0.3931	1.0365	0.0325	0.4754	0.0313	0.4578
59	37.02	-0.01	0.0452	9.9999	0.0171	9.9999	0.3792	1.0625	0.0340	0.4814	0.0320	0.4531
60	37.25	-0.00	0.0424	9.9999	0.0180	9.9999	0.4255	1.0520	0.0336	0.4793	0.0317	0.4530
61	37.47	-0.01	0.0479	9.9999	0.0195	9.9999	0.4079	1.0204	0.0278	0.4573	0.0273	0.4481
62	37.71	-0.00	0.0382	9.9999	0.0171	9.9999	0.4476	1.0456	0.0302	0.4681	0.0289	0.4477
63	37.95	-0.02	0.0437	9.9999	0.0191	9.9999	0.4381	1.0012	0.0251	0.4438	0.0251	0.4433
64	38.17	-0.01	0.0491	9.9999	0.0217	9.9999	0.4429	1.0257	0.0258	0.4521	0.0252	0.4407
65	38.41	0.01	0.0464	9.9999	0.0210	9.9999	0.4536	1.0699	0.0303	0.4721	0.0284	0.4412
66	38.64	0.02	0.0423	9.9999	0.0179	9.9999	0.4242	1.0235	0.0237	0.4452	0.0232	0.4350
67	38.84	0.02	0.0450	9.9999	0.0198	9.9999	0.4410	0.7824	0.0221	0.4277	0.0225	0.4354
68	39.07	0.01	0.0518	9.9999	0.0225	9.9999	0.4352	1.0056	0.0221	0.4351	0.0220	0.4327
69	39.34	-0.01	0.0422	9.9999	0.0206	9.9999	0.4893	1.0217	0.0242	0.4423	0.0237	0.4330
70	39.54	0.01	0.0313	9.9999	0.0149	9.9999	0.4700	1.0091	0.0213	0.4352	0.0211	0.4313
71	39.82	-0.00	0.0353	9.9999	0.0169	9.9999	0.4788	1.0043	0.0216	0.4320	0.0215	0.4302
72	40.03	0.00	0.0450	9.9999	0.0192	9.9999	0.4276	1.0092	0.0205	0.4323	0.0206	0.4284
73	40.23	-0.00	0.0410	9.9999	0.0173	9.9999	0.4230	1.0266	0.0202	0.4386	0.0197	0.4273
74	40.43	0.01	0.0410	9.9999	0.0162	9.9999	0.3961	1.0159	0.0193	0.4332	0.0195	0.4264
75	40.62	-0.02	0.0409	9.9999	0.0173	9.9999	0.4240	0.9895	0.0197	0.4215	0.0199	0.4260
76	40.84	-0.00	0.0340	9.9999	0.0140	9.9999	0.4118	1.0381	0.0216	0.4425	0.0208	0.4263
77	41.05	-0.01	0.0354	9.9999	0.0141	9.9999	0.3983	1.0386	0.0205	0.4395	0.0198	0.4232
78	41.24	0.01	0.0354	9.9999	0.0141	9.9999	0.3983	1.0082	0.0193	0.4273	0.0192	0.4238
79	41.47	-0.01	0.0367	9.9999	0.0142	9.9999	0.3869	1.1229	0.0275	0.4771	0.0245	0.4249
80	41.65	-0.01	0.0436	9.9999	0.0153	9.9999	0.3517	1.0663	0.0200	0.4501	0.0188	0.4221
81	41.86	-0.03	0.0286	9.9999	0.0103	9.9999	0.3601	1.0873	0.0211	0.4575	0.0194	0.4207
82	42.07	0.01	0.0299	9.9999	0.0099	9.9999	0.3311	1.0877	0.0197	0.4573	0.0181	0.4204
83	42.23	-0.00	0.0286	9.9999	0.0082	9.9999	0.2867	1.0267	0.0188	0.4321	0.0183	0.4209
84	42.44	-0.02	0.0299	9.9999	0.0099	9.9999	0.3311	1.0974	0.0219	0.4612	0.0200	0.4202
85	42.62	-0.02	0.0379	9.9999	0.0137	9.9999	0.3615	1.1416	0.0251	0.4796	0.0220	0.4201
86	42.80	-0.01	0.0299	9.9999	0.0093	9.9999	0.3110	1.0710	0.0187	0.4496	0.0175	0.4197
87	42.97	-0.04	0.0353	9.9999	0.0114	9.9999	0.3229	1.1244	0.0226	0.4711	0.0201	0.4190
88	43.15	-0.04	0.0338	9.9999	0.0118	9.9999	0.3491	1.1172	0.0210	0.4675	0.0188	0.4184
89	43.34	-0.02	0.0312	9.9999	0.0105	9.9999	0.3365	1.1381	0.0282	0.4764	0.0248	0.4186
90	43.53	-0.02	0.0406	9.9999	0.0145	9.9999	0.3571	1.1477	0.0243	0.4793	0.0212	0.4176
91	43.70	-0.06	0.0380	9.9999	0.0132	9.9999	0.3474	1.1451	0.0237	0.4784	0.0207	0.4178
92	43.89	-0.03	0.0273	9.9999	0.0064	9.9999	0.2344	1.0974	0.0174	0.4563	0.0159	0.4157

PAGE 3 OF 3
SHEET 3 OF 5

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART			MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7			173	0.90	1.7	0.0	BIWOFIS	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4	
93	44.06	-0.02	0.0298	9.9999	0.0093	9.9999	0.3121	1.1254	0.0192	0.4671	0.0171	0.4150	
94	44.26	-0.03	0.0299	9.9999	0.0077	9.9999	0.2575	1.1314	0.0194	0.4699	0.0172	0.4153	
95	44.44	-0.05	0.0408	9.9999	0.0118	9.9999	0.2499	1.1729	0.0317	0.4890	0.0270	0.4169	
96	44.63	-0.05	0.0298	9.9999	0.0086	9.9999	0.2953	1.1843	0.0336	0.4941	0.0283	0.4172	
97	44.81	-0.06	0.0420	9.9999	0.0140	9.9999	0.3341	1.1964	0.0392	0.4997	0.0327	0.4177	
98	44.99	-0.03	0.0232	9.9999	0.0045	9.9999	0.1940	1.1406	0.0188	0.4709	0.0165	0.4128	
99	45.17	-0.02	0.0352	9.9999	0.0114	9.9999	0.3239	1.1873	0.0299	0.4914	0.0252	0.4139	
100	45.36	-0.04	0.0339	9.9999	0.0112	9.9999	0.3304	1.1889	0.0297	0.4915	0.0250	0.4134	
101	45.53	-0.03	0.0324	9.9999	0.0111	9.9999	0.3426	1.1970	0.0311	0.4961	0.0259	0.4145	
102	45.71	-0.01	0.0338	9.9999	0.0107	9.9999	0.3166	1.1650	0.0244	0.4797	0.0210	0.4117	
103	45.89	-0.07	0.0378	9.9999	0.0126	9.9999	0.3333	1.1875	0.0285	0.4899	0.0240	0.4126	
104	46.09	-0.04	0.0460	9.9999	0.0165	9.9999	0.3595	1.1924	0.0340	0.4934	0.0285	0.4138	
105	46.26	-0.02	0.0312	9.9999	0.0100	9.9999	0.3205	1.1924	0.0251	0.4715	0.0211	0.4122	
106	46.44	-0.05	0.0351	9.9999	0.0124	9.9999	0.3533	1.1978	0.0287	0.4935	0.0240	0.4120	
107	46.61	-0.07	0.0351	9.9999	0.0174	9.9999	0.3533	1.1972	0.0300	0.4936	0.0251	0.4123	
108	46.79	-0.07	0.0405	9.9999	0.0144	9.9999	0.3556	1.1941	0.0268	0.4895	0.0225	0.4099	
109	46.97	-0.03	0.0390	9.9999	0.0148	9.9999	0.3795	1.1965	0.0272	0.4902	0.0225	0.4097	
110	47.12	-0.03	0.0284	9.9999	0.0081	9.9999	0.2852	1.1655	0.0190	0.4713	0.0163	0.4074	
111	47.31	-0.01	0.0391	9.9999	0.0143	9.9999	0.3657	1.2109	0.0263	0.4951	0.0218	0.4089	
112	47.49	-0.02	0.0447	9.9999	0.0153	9.9999	0.3430	1.2065	0.0228	0.4937	0.0189	0.4092	
113	47.66	-0.04	0.0297	9.9999	0.0098	9.9999	0.3300	1.2048	0.0231	0.4919	0.0192	0.4083	
114	47.84	-0.02	0.0432	9.9999	0.0157	9.9999	0.3643	1.1823	0.0246	0.4847	0.0208	0.4100	
115	48.02	-0.03	0.0324	9.9999	0.0122	9.9999	0.3765	1.1885	0.0277	0.4951	0.0233	0.4082	
116	48.18	-0.03	0.0350	9.9999	0.0135	9.9999	0.3857	1.2011	0.0231	0.4999	0.0193	0.4078	
117	48.36	-0.04	0.0243	9.9999	0.0073	9.9999	0.3054	1.1627	0.0201	0.4718	0.0173	0.4058	
118	48.51	-0.05	0.0324	9.9999	0.0100	9.9999	0.3086	1.1579	0.0205	0.4698	0.0177	0.4057	
119	48.69	-0.05	0.0271	9.9999	0.0064	9.9999	0.2362	1.1117	0.0186	0.4519	0.0160	0.4065	
120	48.87	-0.04	0.0257	9.9999	0.0074	9.9999	0.2879	1.1284	0.0218	0.4576	0.0194	0.4055	
121	49.04	-0.04	0.0377	9.9999	0.0131	9.9999	0.3475	1.1200	0.0196	0.4549	0.0175	0.4061	
122	49.21	-0.00	0.0324	9.9999	0.0095	9.9999	0.2932	1.0918	0.0149	0.4430	0.0137	0.4058	
123	49.38	-0.01	0.0230	9.9999	0.0056	9.9999	0.2435	1.0979	0.0149	0.4463	0.0136	0.4065	
124	49.58	-0.03	0.0310	9.9999	0.0094	9.9999	0.3032	1.0966	0.0138	0.4448	0.0126	0.4056	
125	49.78	0.01	0.0485	9.9999	0.0182	9.9999	0.3760	1.0597	0.0116	0.4322	0.0110	0.4079	
126	49.95	-0.04	0.0445	9.9999	0.0158	9.9999	0.3559	1.0827	0.0112	0.4411	0.0104	0.4074	
127	50.12	-0.00	0.0390	9.9999	0.0127	9.9999	0.3256	1.0654	0.0119	0.4337	0.0112	0.4071	
128	50.31	-0.01	0.0403	9.9999	0.0140	9.9999	0.3697	1.0559	0.0095	0.4315	0.0090	0.4087	
129	50.48	0.01	0.0484	9.9999	0.0198	9.9999	0.4099	1.0769	0.0101	0.4388	0.0094	0.4075	
130	50.63	0.01	0.0431	9.9999	0.0162	9.9999	0.3767	1.0484	0.0089	0.4285	0.0085	0.4087	
131	50.81	0.04	0.0445	9.9999	0.0157	9.9999	0.3536	1.0592	0.0087	0.4332	0.0082	0.4090	
132	50.99	0.00	0.0592	9.9999	0.0228	9.9999	0.3558	1.0626	0.0080	0.4351	0.0075	0.4095	
133	51.15	0.03	0.0538	9.9999	0.0197	9.9999	0.3669	1.0525	0.0068	0.4308	0.0065	0.4093	
134	51.32	0.02	0.0403	9.9999	0.0149	9.9999	0.3697	1.0536	0.0072	0.4314	0.0068	0.4095	
135	51.52	0.01	0.0417	9.9999	0.0155	9.9999	0.3726	1.0688	0.0072	0.4359	0.0067	0.4079	
136	51.69	0.02	0.0471	9.9999	0.0170	9.9999	0.3617	1.0487	0.0078	0.4295	0.0074	0.4096	
137	51.87	-0.02	0.0498	9.9999	0.0188	9.9999	0.3783	1.0401	0.0068	0.4258	0.0065	0.4094	
138	52.03	0.03	0.0525	9.9999	0.0196	9.9999	0.3740	1.0489	0.0075	0.4299	0.0072	0.4099	

PAGE 3 OF 3
SHEET 4 OF 5

HANTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH QX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 173 0.90 1.7				0.0	81WDF15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
139	52.18	0.08	0.0579	9.9999	0.0211	9.9999	0.3651	1.0493	0.0067	0.4293	0.0064	0.4092
140	52.36	0.02	0.0554	9.9999	0.0188	9.9999	0.3400	1.0470	0.0062	0.4264	0.0078	0.4073
141	52.51	0.00	0.0540	9.9999	0.0197	9.9999	0.3655	1.0418	0.0063	0.4241	0.0061	0.4071
142	52.65	0.04	0.0461	9.9999	0.0132	9.9999	0.2070	1.0352	0.0072	0.4209	0.0070	0.4068
143	52.85	0.02	0.0540	9.9999	0.0181	9.9999	0.3358	1.0447	0.0062	0.4248	0.0059	0.4067
144	53.01	0.03	0.0606	9.9999	0.0224	9.9999	0.3702	1.0414	0.0067	0.4246	0.0060	0.4077
145	53.17	0.01	0.0501	9.9999	0.0152	9.9999	0.3040	1.0351	0.0070	0.4197	0.0068	0.4055
146	53.34	-0.01	0.0527	9.9999	0.0175	9.9999	0.3327	1.0538	0.0062	0.4265	0.0059	0.4048
147	53.53	-0.00	0.0541	9.9999	0.0176	9.9999	0.3259	1.0479	0.0057	0.4235	0.0054	0.4045
148	53.67	-0.01	0.0541	9.9999	0.0171	9.9999	0.3167	1.0479	0.0057	0.4238	0.0054	0.4045
149	53.83	0.01	0.0595	9.9999	0.0212	9.9999	0.3569	1.0707	0.0058	0.4316	0.0054	0.4031
150	53.98	0.03	0.0541	9.9999	0.0192	9.9999	0.3556	1.0662	0.0055	0.4284	0.0053	0.4018
151	54.15	0.04	0.0622	9.9999	0.0220	9.9999	0.3543	1.0690	0.0061	0.4281	0.0057	0.4005
152	54.29	0.05	0.0500	9.9999	0.0173	9.9999	0.3467	1.0693	0.0054	0.4286	0.0051	0.4008
153	54.45	0.00	0.0621	9.9999	0.0236	9.9999	0.3804	1.0678	0.0053	0.4268	0.0050	0.3997
154	54.61	0.01	0.0474	9.9999	0.0160	9.9999	0.3383	1.0803	0.0048	0.4316	0.0045	0.3995
155	54.75	-0.01	0.0487	9.9999	0.0167	9.9999	0.3436	1.0831	0.0053	0.4307	0.0049	0.3977
156	54.91	-0.03	0.0548	9.9999	0.0205	9.9999	0.3616	1.0930	0.0039	0.4352	0.0036	0.3982
157	55.07	-0.01	0.0542	9.9999	0.0182	9.9999	0.3364	1.0896	0.0045	0.4333	0.0041	0.3977
158	55.20	0.02	0.0475	9.9999	0.0155	9.9999	0.3270	1.0880	0.0045	0.4309	0.0041	0.3981
159	55.37	0.02	0.0488	9.9999	0.0156	9.9999	0.3203	1.0820	0.0043	0.4293	0.0040	0.3968
160	55.51	-0.01	0.0596	9.9999	0.0202	9.9999	0.3395	1.0898	0.0041	0.4304	0.0038	0.3949
161	55.68	0.03	0.0461	9.9999	0.0143	9.9999	0.3109	1.1037	0.0039	0.4359	0.0035	0.3950
162	55.85	0.00	0.0595	9.9999	0.0223	9.9999	0.3754	1.1126	0.0044	0.4378	0.0040	0.3935
163	56.00	-0.00	0.0529	9.9999	0.0175	9.9999	0.3314	1.0945	0.0036	0.4313	0.0033	0.3941
164	56.13	-0.00	0.0542	9.9999	0.0187	9.9999	0.3457	1.0881	0.0042	0.4286	0.0039	0.3939
165	56.30	-0.01	0.0421	9.9999	0.0140	9.9999	0.3333	1.1089	0.0033	0.4379	0.0030	0.3949
166	56.46	-0.02	0.0503	9.9999	0.0163	9.9999	0.3247	1.1088	0.0034	0.4368	0.0031	0.3940
167	56.61	-0.05	0.0597	9.9999	0.0208	9.9999	0.3490	1.1028	0.0032	0.4335	0.0029	0.3931
168	56.76	-0.03	0.0542	9.9999	0.0193	9.9999	0.3567	1.0966	0.0032	0.4313	0.0029	0.3933
169	56.90	-0.02	0.0542	9.9999	0.0193	9.9999	0.3567	1.0997	0.0032	0.4310	0.0029	0.3920
170	57.06	-0.02	0.0529	9.9999	0.0186	9.9999	0.3523	1.1122	0.0027	0.4364	0.0024	0.3924
171	57.20	-0.03	0.0449	9.9999	0.0137	9.9999	0.3058	1.1281	0.0018	0.4442	0.0016	0.3938
172	57.36	-0.04	0.0492	9.9999	0.0136	9.9999	0.2770	1.1533	0.0014	0.4535	0.0012	0.3932
173	57.51	-0.06	0.0532	9.9999	0.0160	9.9999	0.3013	1.1550	0.0010	0.4547	0.0009	0.3936
174	57.65	-0.08	0.0492	9.9999	0.0136	9.9999	0.2770	1.1646	0.0002	0.4575	0.0002	0.3928
175	57.80	-0.11	0.0437	9.9999	0.0115	9.9999	0.2638	1.1941	-0.0002	0.4676	-0.0002	0.3916
176	57.94	-0.15	0.0438	9.9999	0.0110	9.9999	0.2517	1.1555	-0.0001	0.4523	-0.0001	0.3914
177	58.09	-0.16	0.0423	9.9999	0.0125	9.9999	0.2962	1.1544	-0.0010	0.4526	-0.0009	0.3920
178	58.23	-0.12	0.0438	9.9999	0.0121	9.9999	0.2769	1.1465	0.0002	0.4483	0.0002	0.3910
179	58.23	-0.16	0.0396	9.9999	0.0112	9.9999	0.2828	1.1564	-0.0008	0.4517	-0.0007	0.3906
180	58.24	-0.15	0.0439	9.9999	0.0110	9.9999	0.2511	1.1513	0.0002	0.4503	0.0002	0.3911
181	58.24	-0.16	0.0412	9.9999	0.0097	9.9999	0.2360	1.1671	-0.0005	0.4559	-0.0004	0.3906
182	58.24	-0.15	0.0466	9.9999	0.0118	9.9999	0.2538	1.1701	-0.0005	0.4567	-0.0004	0.3903
183	58.23	-0.13	0.0384	9.9999	0.0074	9.9999	0.1927	1.1513	0.0002	0.4492	0.0002	0.3901
184	58.23	-0.11	0.0356	9.9999	0.0077	9.9999	0.2163	1.1528	0.0002	0.4498	0.0002	0.3901

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 6 OF 8

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 173 0.90 1.7				0.0	BINOF15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
185	58.23	-0.14	0.0453	9.9999	0.0117	9.9999	0.2588	1.1636	0.0001	0.4542	0.0001	0.3896
186	58.22	-0.14	0.0413	9.9999	0.0092	9.9999	0.2233	1.1423	0.0005	0.4451	0.0004	0.3897
187	58.22	-0.15	0.0426	9.9999	0.0115	9.9999	0.2706	1.1568	-0.0008	0.4517	-0.0007	0.3904
188	58.23	-0.14	0.0412	9.9999	0.0103	9.9999	0.2506	1.1501	-0.0002	0.4485	-0.0002	0.3899
189	58.22	-0.17	0.0466	9.9999	0.0139	9.9999	0.2989	1.1599	-0.0005	0.4504	-0.0004	0.3883
190	58.22	-0.15	0.0467	9.9999	0.0123	9.9999	0.2639	1.1599	-0.0004	0.4515	-0.0003	0.3892

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHE	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
7 174 1.00 1.7				0.0	81W0F15	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CN	CLN	CV	CLM	CLL	CA	CAB	CAF	XCP
1	-5.74	-0.02	-1.5978	5.2980	0.0335	-0.0594	0.0005	0.5001	0.1507	0.3494	-3.3157
2	-5.75	-0.04	-1.5961	5.3256	0.0575	-0.0817	-0.0054	0.5063	0.1541	0.3522	-3.3366
3	-5.75	-0.04	-1.6093	5.3216	0.0204	-0.0677	-0.0055	0.5032	0.1521	0.3511	-3.3067
4	-5.84	-0.03	-1.5752	5.2517	0.0590	-0.0627	0.0005	0.5054	0.1507	0.3547	-3.3339
5	-4.60	-0.03	-1.3115	4.5276	0.0701	-0.0838	-0.0051	0.4792	0.1353	0.3440	-3.4523
6	-2.78	-0.03	-0.9678	3.6401	-0.0027	-0.0155	-0.0047	0.4416	0.1184	0.3232	-3.7612
7	-0.92	-0.03	-0.7041	2.9304	0.0687	-0.0830	-0.0042	0.4127	0.1089	0.3039	-4.1021
8	0.94	-0.02	-0.4041	2.1908	0.0664	-0.1232	0.0022	0.3814	0.1003	0.2811	-5.4213
9	2.87	-0.02	-0.1270	1.5448	0.0652	-0.1218	-0.0032	0.3582	0.0987	0.2595	-12.1667
10	4.70	-0.03	0.1542	0.9675	0.0198	-0.0595	0.0033	0.3453	0.1037	0.2416	6.2749
11	6.60	-0.03	0.3895	0.5133	0.0192	-0.0482	-0.0021	0.3396	0.1167	0.2229	1.3188
12	8.48	-0.03	0.6616	0.0452	0.0089	-0.0288	-0.0013	0.3305	0.1279	0.2026	0.0683
13	10.36	-0.02	0.9560	-0.5636	0.0321	-0.0402	-0.0305	0.3162	0.1392	0.1770	-0.3716
14	12.27	-0.02	1.3026	-1.1839	0.0249	0.0373	0.0058	0.2961	0.1471	0.1490	-0.9089
15	14.20	-0.03	1.7421	-1.9762	-0.0339	0.1256	0.0065	0.2603	0.1546	0.1058	-1.1344
16	16.20	-0.03	2.1072	-2.7394	-0.1031	0.2314	0.0187	0.2358	0.1649	0.0709	-1.3088
17	18.18	-0.03	2.5935	-3.5968	-0.1185	0.4138	0.0191	0.2046	0.1753	0.0293	-1.3868
18	20.14	-0.03	3.0441	-4.3220	-0.1380	0.4946	0.0140	0.1714	0.1863	-0.0149	-1.4198
19	22.13	-0.02	3.5787	-4.7165	-0.0522	0.4572	-0.0078	0.1268	0.1894	-0.0626	-1.3179
20	24.11	-0.01	4.1841	-4.7975	0.0613	-0.0173	-0.0153	0.0750	0.1807	-0.1057	-1.1466
21	26.10	0.01	4.8952	-4.8799	0.5405	-1.0867	0.0347	0.0411	0.1871	-0.1460	-0.9949
22	28.06	0.04	5.4306	-4.9125	0.8824	-1.6551	0.0814	0.0096	0.1976	-0.1880	-0.9046
23	28.09	0.06	5.42	-4.9670	0.9207	-1.8399	0.0875	0.0102	0.1936	-0.1834	-0.9158
24	28.11	0.05	5.47	-4.9479	0.9457	-1.8425	0.0878	0.0041	0.1971	-0.1930	-0.9039
25	28.47	0.04	5.59	-4.9643	0.9450	-1.8849	0.0943	0.0010	0.1965	-0.1955	-0.8880
26	28.72	0.05	5.687	-5.0554	0.9982	-1.8790	0.1009	-0.0014	0.1975	-0.1989	-0.8888
27	29.03	0.04	5.7371	-4.9739	0.8732	-1.6746	0.1009	-0.0059	0.1963	-0.2022	-0.8670
28	29.37	0.03	5.8863	-4.9107	0.8165	-1.3919	0.0931	-0.0305	0.1932	-0.2237	-0.8343
29	29.65	0.04	6.0159	-4.9525	0.9270	-1.6420	0.1022	-0.0351	0.1931	-0.2282	-0.8232
30	29.93	0.04	6.0797	-4.8535	0.8974	-1.6868	0.1086	-0.0270	0.1985	-0.2258	-0.7983
31	30.21	0.03	6.2107	-4.8917	0.7926	-1.2230	0.0608	-0.0353	0.2003	-0.2356	-0.7876
32	30.48	0.03	6.2356	-4.8826	0.8784	-1.5955	0.0973	-0.0292	0.2045	-0.2337	-0.7830
33	30.75	0.03	6.4030	-4.9074	0.8452	-1.3878	0.0797	-0.0449	0.2001	-0.2450	-0.7684
34	31.04	0.04	6.4956	-4.8489	0.8799	-1.4414	0.0922	-0.0461	0.2029	-0.2490	-0.7465
35	31.31	0.05	6.5738	-4.8694	1.0537	-2.0334	0.1471	-0.0326	0.2136	-0.2462	-0.7407
36	31.58	0.01	6.6398	-4.9144	0.7089	-1.3121	0.0925	-0.0614	0.1994	-0.2608	-0.7401
37	31.85	0.03	6.7379	-4.7581	0.7686	-1.2115	0.0870	-0.0590	0.2010	-0.2600	-0.7062
38	32.13	0.03	6.8416	-4.7380	0.8722	-1.5382	0.1059	-0.0633	0.2079	-0.2712	-0.6925
39	32.39	0.02	6.9263	-4.5854	0.7400	-1.4138	0.1002	-0.0678	0.2079	-0.2757	-0.6620
40	32.65	0.01	7.0496	-4.6061	0.7047	-1.2026	0.0764	-0.0864	0.2048	-0.2913	-0.6534
41	32.92	-0.00	7.1111	-4.5632	0.4895	-0.8120	0.0463	-0.0804	0.2028	-0.2832	-0.6617
42	33.16	0.00	7.1733	-4.5982	0.5807	-1.1382	0.0768	-0.0842	0.2056	-0.2899	-0.6418
43	33.41	-0.01	7.2584	-4.5570	0.2973	-0.2972	0.0164	-0.0851	0.2074	-0.2926	-0.6278
44	33.67	0.00	7.3575	-4.4798	0.5700	-0.9291	0.0654	-0.0906	0.2102	-0.3009	-0.6089
45	33.92	0.01	7.4530	-4.4113	0.7036	-1.2011	0.1022	-0.0775	0.2164	-0.2940	-0.5919
46	34.16	0.00	7.5279	-4.3495	0.5421	-0.7769	0.0542	-0.0784	0.2206	-0.2991	-0.5778

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 174 1.00 1.7			0.0	BIWOFIS	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CN	CLN	CV	CLN	CLL	CA	CAB	CAF	XCP
47	34.43	-0.01	7.6688	-4.2972	0.3056	-0.3357	0.0362	-0.0918	0.2206	-0.3125	-0.5603
48	34.67	0.01	7.6549	-4.3030	0.5355	-0.6869	0.0486	-0.0942	0.2218	-0.3161	-0.5621
49	34.91	-0.01	7.7627	-4.2433	0.3700	-0.5004	0.0488	-0.0875	0.2276	-0.3152	-0.5466
50	35.15	-0.01	7.8111	-4.2204	0.2944	-0.3039	0.0309	-0.0966	0.2291	-0.3257	-0.5403
51	35.40	-0.00	7.9451	-4.1713	0.4770	-0.7561	0.0578	-0.0923	0.2373	-0.3297	-0.5250
52	35.63	0.01	8.0156	-4.2092	0.5253	-0.6350	0.0501	-0.0969	0.2350	-0.3319	-0.5251
53	35.87	0.03	8.1201	-4.2399	0.7348	-1.2267	0.1166	-0.0838	0.2488	-0.3327	-0.5221
54	36.12	0.02	8.3269	-4.1690	0.7614	-1.2302	0.0937	-0.1122	0.2423	-0.3545	-0.5007
55	36.36	0.00	8.3258	-4.1106	0.5175	-0.8755	0.0754	-0.1069	0.2385	-0.3454	-0.4937
56	36.57	-0.02	8.3137	-4.1822	0.3073	-0.4603	0.0333	-0.1046	0.2386	-0.3432	-0.5031
57	36.83	-0.01	8.4943	-4.1202	0.3437	-0.3286	0.0161	-0.1091	0.2362	-0.3453	-0.4851
58	37.07	-0.01	8.5672	-4.1513	0.2979	-0.3991	0.0342	-0.1147	0.2356	-0.3503	-0.4846
59	37.30	-0.02	8.7067	-4.1143	0.2725	-0.2510	0.0110	-0.1264	0.2321	-0.3585	-0.4729
60	37.55	-0.03	8.8145	-4.1864	0.0929	-0.2471	0.0171	-0.1258	0.2310	-0.3568	-0.4749
61	37.78	-0.01	8.9386	-4.2264	0.3190	-0.4401	0.0415	-0.1304	0.2326	-0.3610	-0.4728
62	38.00	-0.00	9.9378	-4.1854	0.3679	-0.4852	0.0417	-0.1269	0.2303	-0.3572	-0.4683
63	38.25	-0.03	9.0361	-4.1582	-0.0236	0.3119	-0.0129	-0.1459	0.2250	-0.3709	-0.4602
64	38.48	-0.02	9.1451	-4.2136	0.1885	-0.1720	0.0184	-0.1456	0.2284	-0.3740	-0.4608
65	38.71	0.03	9.2608	-4.2206	0.7296	-0.7633	0.0552	-0.1493	0.2314	-0.3897	-0.4557
66	38.94	0.01	9.2450	-4.1660	0.5326	-0.6595	0.0314	-0.1709	0.2227	-0.3936	-0.4506
67	39.18	0.00	9.4028	-4.2599	0.4767	-0.5457	0.0493	-0.1749	0.2152	-0.3901	-0.4530
68	39.41	0.00	9.5552	-4.2200	0.4350	-0.5890	0.0383	-0.1726	0.2155	-0.3881	-0.4416
69	39.61	-0.03	9.5115	-4.2256	0.0730	-0.1660	0.0316	-0.1518	0.2261	-0.3779	-0.4443
70	39.82	0.01	9.5732	-4.1891	0.4888	-0.3588	0.0262	-0.1579	0.2193	-0.3772	-0.4376
71	40.04	-0.01	9.6185	-4.2075	0.2771	-0.3371	0.0265	-0.1553	0.2178	-0.3731	-0.4374
72	40.25	-0.01	9.7524	-4.2678	0.3055	-0.2915	0.0269	-0.1725	0.2196	-0.3921	-0.4376
73	40.45	-0.01	9.8010	-4.2441	0.4609	-0.5915	0.0276	-0.1721	0.2195	-0.3916	-0.4330
74	40.67	-0.01	9.9493	-4.2792	0.3591	-0.5786	0.0574	-0.1827	0.2188	-0.4015	-0.4301
75	40.89	0.04	10.0226	-4.2779	0.8708	-0.6963	0.0225	-0.1848	0.2279	-0.4127	-0.4268
76	41.13	-0.00	10.0679	-4.2812	0.3165	-0.3119	0.0340	-0.1906	0.2188	-0.4094	-0.4252
77	41.35	-0.01	10.0929	-4.2423	0.3119	-0.3799	0.0401	-0.1795	0.2226	-0.4021	-0.4203
78	41.57	-0.03	10.2353	-4.1961	0.0385	-0.3080	0.0521	-0.1914	0.2280	-0.4194	-0.4100
79	41.76	0.01	10.2784	-4.2005	0.4702	-0.2354	0.0109	-0.1883	0.2252	-0.4135	-0.4087
80	41.95	-0.01	10.3796	-4.1635	0.2049	-0.0706	0.0230	-0.1759	0.2225	-0.3984	-0.4011
81	42.15	0.00	10.4066	-4.2504	0.3997	-0.3777	0.0414	-0.1943	0.2256	-0.4199	-0.4096
82	42.35	-0.01	10.5423	-4.2208	0.2032	-0.0919	0.0244	-0.1990	0.2215	-0.4205	-0.4004
83	42.54	-0.00	10.5868	-4.2313	0.3001	-0.1301	0.0129	-0.2037	0.2242	-0.4279	-0.3997
84	42.72	-0.01	10.6536	-4.1551	0.2021	0.1291	0.0125	-0.1722	0.2404	-0.4126	-0.3900
85	42.92	-0.03	10.7944	-4.2204	0.0799	-0.0701	0.0198	-0.1838	0.2309	-0.4147	-0.3910
86	43.10	-0.02	10.7132	-4.0918	0.2504	-0.1253	0.0145	-0.1910	0.2257	-0.4167	-0.3749
87	43.27	-0.03	10.8945	-4.2802	0.1433	-0.0350	0.0258	-0.1939	0.2359	-0.4298	-0.3929
88	43.45	-0.04	10.9503	-4.1517	0.0556	-0.0576	0.0263	-0.2098	0.2243	-0.4341	-0.3791
89	43.65	-0.04	11.1046	-4.0969	0.0753	-0.3115	0.0623	-0.2097	0.2300	-0.4487	-0.3689
90	43.85	-0.05	11.1945	-4.2063	0.0014	-0.1196	0.0564	-0.2187	0.2315	-0.4502	-0.3757
91	44.01	-0.04	11.2468	-4.0975	0.1499	-0.3200	0.0571	-0.1945	0.2296	-0.4241	-0.3643
92	44.19	-0.04	11.2659	-4.1333	0.1903	-0.2762	0.0513	-0.2187	0.2276	-0.4463	-0.3669

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 174 1.00 1.7			0.0	0.110	0.15	0.0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAF	XCP
93	44.39	-0.05	11.3043	-4.0858	0.1127	-0.6713	0.0635	-0.1979	0.2348	-0.4327	-0.3614
94	44.56	-0.03	11.3824	-4.1584	0.2746	-0.3252	0.0635	-0.2187	0.2333	-0.4520	-0.3653
95	44.76	-0.02	11.5147	-4.1625	0.3517	-0.4660	0.0526	-0.2128	0.2212	-0.4340	-0.3615
96	44.93	-0.03	11.4578	-4.0179	0.1950	0.0192	0.0454	-0.2007	0.2313	-0.4320	-0.3507
97	45.13	-0.03	11.5931	-4.1717	0.2588	-0.5232	0.0645	-0.2126	0.2307	-0.4433	-0.3598
98	45.31	-0.05	11.6986	-4.0691	0.0902	-0.2839	0.0646	-0.2147	0.2303	-0.4450	-0.3478
99	45.49	-0.05	11.6351	-4.1310	0.0848	0.0182	0.0463	-0.2001	0.2283	-0.4284	-0.3551
100	45.69	-0.02	11.8186	-4.2188	0.3839	-0.1488	0.0586	-0.2097	0.2317	-0.4414	-0.3578
101	45.86	-0.03	11.7904	-4.0113	0.2726	-0.3430	0.0653	-0.2030	0.2366	-0.4396	-0.3402
102	46.03	-0.02	11.9029	-3.7553	0.2113	0.5953	0.0163	-0.1402	0.2558	-0.3960	-0.3195
103	46.21	-0.00	11.9879	-3.9759	0.4350	0.1456	0.0523	-0.2411	0.2531	-0.4943	-0.3317
104	46.38	-0.02	11.9577	-3.9377	0.3575	0.0728	0.0586	-0.1934	0.2452	-0.4386	-0.3293
105	46.57	-0.03	12.0171	-3.9252	0.2419	0.2235	0.0412	-0.1518	0.2512	-0.4030	-0.3266
106	46.74	-0.02	12.2096	-3.8870	0.2562	0.5011	0.0408	-0.1780	0.2477	-0.4257	-0.3184
107	46.91	-0.02	12.1644	-3.6750	0.1626	0.8431	0.0107	-0.1506	0.2706	-0.4212	-0.3021
108	47.09	-0.03	12.1332	-3.7046	0.0159	0.8718	0.0223	-0.1843	0.2732	-0.4575	-0.3053
109	47.24	-0.00	12.0800	-3.5743	0.3666	0.9998	0.0153	-0.1379	0.2890	-0.4268	-0.2950
110	47.42	-0.02	12.2495	-3.6904	0.1135	1.0427	0.0044	-0.1618	0.2920	-0.4537	-0.3008
111	47.59	-0.04	12.4029	-3.7890	-0.0045	1.4426	0.0270	-0.1144	0.3344	-0.4487	-0.3053
112	47.77	-0.01	12.3467	-3.8290	0.3854	1.1239	0.0157	-0.0902	0.3373	-0.4275	-0.3101
113	47.94	-0.01	12.4292	-3.8695	0.4052	0.7794	0.0173	-0.0705	0.3580	-0.4285	-0.3113
114	48.10	0.02	12.5905	-4.9631	0.6199	1.4368	-0.0262	0.0397	0.4190	-0.3793	-0.3942
115	48.28	0.01	12.7087	-5.3753	0.4598	1.4018	-0.0431	0.0574	0.4700	-0.4128	-0.4230
116	48.46	0.03	12.9254	-5.7517	0.6738	1.4832	-0.0435	0.0302	0.4626	-0.4324	-0.4450
117	48.62	0.03	13.0112	-5.9292	0.6194	1.6177	-0.0612	0.0069	0.4488	-0.4419	-0.4557
118	48.82	0.02	13.1843	-6.0030	0.5587	1.8852	-0.0559	0.0042	0.4425	-0.4383	-0.4553
119	49.00	-0.00	13.4468	-6.2062	0.3626	2.1314	-0.0558	-0.0511	0.4353	-0.4865	-0.4615
120	49.15	-0.02	13.3608	-6.1310	0.1449	2.2139	-0.0618	-0.0384	0.4211	-0.4595	-0.4589
121	49.32	0.02	13.3876	-6.1112	0.5594	2.1267	-0.0564	-0.0643	0.4054	-0.4667	-0.4565
122	49.53	-0.06	13.6178	-6.1422	-0.0044	1.9377	-0.0538	-0.0903	0.3857	-0.4760	-0.4510
123	49.70	-0.05	13.6551	-6.1657	-0.0785	2.1864	-0.0487	-0.0929	0.3848	-0.4777	-0.4515
124	49.87	-0.05	13.6474	-6.2135	-0.0170	1.9519	-0.0538	-0.0779	0.3896	-0.4675	-0.4553
125	50.05	-0.07	13.7079	-6.0855	-0.1590	2.3167	-0.0488	-0.0594	0.4033	-0.4627	-0.4439
126	50.22	-0.07	13.8486	-6.2737	-0.1915	2.4122	-0.0489	-0.1008	0.4015	-0.5023	-0.4530
127	50.39	-0.07	13.8684	-6.1325	-0.1937	2.3722	-0.0310	-0.0999	0.4106	-0.5105	-0.4422
128	50.57	-0.03	14.0055	-6.1696	0.1693	2.2088	-0.0247	-0.0734	0.4204	-0.4939	-0.4405
129	50.72	-0.02	13.8458	-6.0596	0.3110	2.0854	0.0043	-0.0390	0.4328	-0.4718	-0.4376
130	50.89	-0.02	13.9547	-5.8802	0.4053	1.4942	0.0417	-0.0367	0.4322	-0.4689	-0.4244
131	51.05	-0.06	13.8333	-5.9270	0.0722	1.2708	0.0431	-0.0409	0.4296	-0.4705	-0.4285
132	51.19	-0.03	13.6503	-5.4318	0.4491	0.9059	0.0669	-0.0259	0.4246	-0.4505	-0.3979
133	51.37	-0.01	13.7028	-5.3882	0.5783	1.0137	0.0721	-0.0792	0.4247	-0.5040	-0.3932
134	51.52	-0.03	13.5269	-5.0620	0.4373	0.6671	0.0677	-0.0304	0.4292	-0.4596	-0.3748
135	51.68	-0.03	13.6240	-5.3080	0.4574	0.8353	0.0846	-0.0480	0.4282	-0.4742	-0.3896
136	51.85	-0.03	13.5793	-5.0124	0.4546	0.7655	0.0675	-0.0396	0.4323	-0.4719	-0.3892
137	52.03	-0.04	13.8017	-5.1723	0.3885	0.6927	0.0629	-0.0327	0.4349	-0.4676	-0.3748
138	52.20	-0.05	13.7518	-5.0882	0.2798	0.7428	0.0570	-0.0216	0.4401	-0.4617	-0.3700

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 4 OF 6

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 174 1.00 1.7				0.0	BIVOFIS	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CN	CLN	CY	CLN	CLL	CA	CAB	CAP	XCP	
139	52.37	-0.03	13.7540	-5.0334	0.4983	0.6520	0.0628	-0.0274	0.4390	-0.4664	-0.3660	
140	52.52	-0.03	13.7652	-4.9476	0.3475	0.8552	0.0508	-0.0054	0.4476	-0.4530	-0.3594	
141	52.70	-0.02	13.8149	-4.9143	0.4539	0.7650	0.0454	0.0039	0.4430	-0.4391	-0.3587	
142	52.87	-0.04	13.8738	-4.8803	0.4148	0.7284	0.0516	-0.0190	0.4448	-0.4638	-0.3518	
143	53.02	-0.05	13.9039	-4.9289	0.3012	0.6689	0.0463	-0.0474	0.4448	-0.4923	-0.3545	
144	53.20	-0.04	13.9402	-4.8989	0.2794	0.7313	0.0405	-0.0290	0.4490	-0.4780	-0.3514	
145	53.35	-0.02	13.8881	-4.8362	0.4211	0.6177	0.0464	-0.0123	0.4534	-0.4657	-0.3482	
146	53.52	-0.05	13.9072	-4.8474	0.1863	0.6099	0.0470	-0.0125	0.4526	-0.4651	-0.3486	
147	53.68	-0.06	14.0026	-4.8772	0.1489	0.5827	0.0416	-0.0380	0.4505	-0.4886	-0.3483	
148	53.85	-0.06	14.0099	-4.9249	0.2973	0.5992	0.0413	-0.0262	0.4542	-0.4805	-0.3515	
149	54.00	-0.06	14.0532	-4.9550	0.1580	0.5226	0.0304	-0.0157	0.4584	-0.4741	-0.3526	
150	54.14	-0.06	14.0631	-4.9621	0.1503	0.6127	0.0359	-0.0253	0.4564	-0.4818	-0.3528	
151	54.32	-0.08	14.0960	-5.1539	-0.0306	0.6690	0.0360	-0.0127	0.4591	-0.4718	-0.3636	
152	54.47	-0.05	14.1028	-5.2155	0.2789	0.4813	0.0361	-0.0260	0.4588	-0.4849	-0.3694	
153	54.63	-0.08	14.2003	-5.2038	-0.1157	0.7063	0.0422	-0.0373	0.4670	-0.5044	-0.3665	
154	54.79	-0.02	14.2606	-5.2529	0.3956	0.6111	0.0359	-0.0541	0.4666	-0.5208	-0.3683	
155	54.94	-0.06	14.2198	-5.2175	0.0833	0.7482	0.0358	-0.0672	0.4693	-0.5366	-0.3669	
156	55.09	-0.07	14.1887	-5.2174	0.0777	0.3920	0.0314	-0.0572	0.4652	-0.5225	-0.3677	
157	55.23	-0.05	14.1652	-5.1712	0.1243	0.5851	0.0363	-0.0447	0.4667	-0.5115	-0.3651	
158	55.41	-0.06	14.3361	-5.5201	-0.0538	0.7324	0.0422	-0.0395	0.4760	-0.5156	-0.3850	
159	55.55	-0.04	14.3565	-5.4301	0.1393	0.6459	0.0365	-0.0610	0.4751	-0.5362	-0.3782	
160	55.71	-0.06	14.3378	-5.4403	0.0935	0.4596	0.0315	-0.0556	0.4819	-0.5375	-0.3794	
161	55.89	-0.07	14.4145	-5.5693	-0.0450	0.6628	0.0311	-0.0546	0.4873	-0.5414	-0.3866	
162	56.02	-0.08	14.4178	-5.5207	-0.1192	0.6495	0.0314	-0.0608	0.4885	-0.5493	-0.3929	
163	56.18	-0.07	14.4695	-5.5946	-0.0238	0.6414	0.0313	-0.0618	0.4870	-0.5489	-0.3866	
164	56.33	-0.06	14.4262	-5.4468	0.1790	0.4328	0.0376	-0.0567	0.4869	-0.5436	-0.3778	
165	56.51	-0.08	14.7410	-5.2353	-0.0603	0.3448	0.0396	-0.1105	0.4857	-0.5762	-0.3552	
166	56.68	-0.09	14.8889	-5.2484	-0.1946	0.1073	0.0352	-0.1312	0.4803	-0.5915	-0.3525	
167	56.81	-0.09	14.7527	-5.1720	-0.0981	-0.3003	0.0354	-0.1173	0.4585	-0.5758	-0.3499	
168	56.98	-0.11	14.7190	-5.2354	-0.2341	-0.6525	0.0301	-0.1414	0.4639	-0.6052	-0.3509	
169	57.14	-0.10	14.9828	-5.3688	-0.1620	-0.6897	0.0304	-0.1237	0.4763	-0.6050	-0.3583	
170	57.29	-0.11	15.0004	-5.3595	-0.1689	-0.6108	0.0305	-0.1215	0.4799	-0.6014	-0.3573	
171	57.42	-0.09	14.8372	-5.6119	-0.0441	-0.4219	0.0296	-0.1287	0.4780	-0.6067	-0.3782	
172	57.55	-0.10	14.8498	-5.5634	-0.0739	-0.3123	0.0295	-0.1480	0.4641	-0.6121	-0.3746	
173	57.69	-0.09	14.9164	-5.6205	0.0008	-0.3110	0.0295	-0.1383	0.4626	-0.6009	-0.3793	
174	57.85	-0.08	14.9726	-5.6321	0.0440	-0.2288	0.0183	-0.1610	0.4495	-0.6105	-0.3762	
175	57.99	-0.08	14.8758	-5.6332	0.0134	-0.1289	0.0295	-0.1597	0.4423	-0.6020	-0.3787	
176	58.15	-0.09	14.9892	-5.6066	-0.0566	-0.0527	0.0298	-0.1717	0.4351	-0.6068	-0.3748	
177	58.31	-0.06	15.1800	-5.7546	0.2238	-0.3467	0.0309	-0.1918	0.4362	-0.6280	-0.3791	
178	58.35	-0.08	15.1089	-5.6703	0.0220	-0.1881	0.0362	-0.1786	0.4359	-0.6145	-0.3753	

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAIL EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION												
7 174 1.00 1.7 0.0 8180F15 0.0 0 -10 0 -10 UNKNOWN												
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.74	-0.02	-0.0361	0.0002	0.0259	-0.0055	-0.7175	-0.6927	-0.0461	-0.3725	0.0665	0.5377
2	-5.75	-0.04	-0.0303	0.0011	0.0293	-0.0363	-0.9670	-0.6900	-0.0452	-0.3722	0.0655	0.5393
3	-5.75	-0.04	-0.0351	0.0004	0.0276	-0.0114	-0.7863	-0.6956	-0.0455	-0.3738	0.0654	0.5374
4	-5.84	-0.03	-0.0424	-0.0002	0.0246	0.0047	-0.5816	-0.6844	-0.0460	-0.3685	0.0672	0.5383
5	-4.60	-0.03	-0.0267	0.0026	0.0304	-0.0974	-1.1386	-0.5693	-0.0423	-0.3195	0.0742	0.5612
6	-2.78	-0.03	-0.0279	0.0024	0.0297	-0.0861	-1.0645	-0.4298	-0.0351	-0.2605	0.0816	0.6061
7	-0.92	-0.03	-0.0227	0.0022	0.0287	-0.0970	-1.2643	-0.2999	-0.0274	-0.2090	0.0915	0.6968
8	0.94	-0.02	-0.0212	0.0020	0.0271	-0.0944	-1.2783	-0.1757	-0.0191	-0.1517	0.1089	0.8432
9	2.87	-0.02	-0.0099	0.0022	0.0278	-0.2223	-2.8081	-0.0688	-0.0096	-0.0965	0.1398	1.4032
10	4.70	-0.03	-0.0197	0.0003	0.0260	-0.0254	-1.3198	0.0151	-0.0014	-0.0550	-0.0928	-3.6358
11	6.60	-0.03	-0.0172	0.0003	0.0268	-0.0174	-1.5581	0.0938	0.0063	-0.0204	0.0673	-0.2177
12	8.48	-0.03	-0.0135	0.0003	0.0272	-0.0222	-2.0148	0.1394	0.0174	0.0231	0.1250	0.1659
13	10.36	-0.02	-0.0242	0.0005	0.0223	-0.0207	-0.9215	0.2256	0.0300	0.0574	0.1332	0.2543
14	12.27	-0.02	-0.0321	0.0013	0.0237	-0.0405	-0.7383	0.3257	0.0410	0.1034	0.1258	0.3003
15	14.20	-0.03	-0.0390	-0.0009	0.0199	0.0231	-0.5103	0.4252	0.0500	0.1532	0.1175	0.3603
16	16.20	-0.03	-0.0343	-0.0014	0.0236	0.0408	-0.6880	0.5160	0.0573	0.1946	0.1110	0.3772
17	18.18	-0.03	-0.0582	-0.0081	0.0164	0.1395	-0.2823	0.6281	0.0613	0.2416	0.0976	0.3847
18	20.14	-0.03	-0.0737	-0.0118	0.0110	0.1604	-0.1495	0.7381	0.0610	0.2837	0.0826	0.3844
19	22.13	-0.02	-0.0688	-0.0051	-0.0031	0.0743	0.0451	0.8568	0.0584	0.3292	0.0682	0.3831
20	24.11	-0.01	-0.0593	-0.0029	0.0003	0.0490	-0.0051	0.9255	0.0589	0.3509	0.0636	0.3792
21	26.10	0.01	0.1951	0.0258	0.1239	0.1324	0.6347	1.0478	0.0507	0.3932	0.0484	0.3753
22	28.06	0.04	0.2843	0.0355	0.1597	0.1247	0.5616	1.1065	0.0459	0.4118	0.0415	0.3722
23	28.09	0.06	0.3276	0.0399	0.1796	0.1217	0.5483	1.1190	0.0449	0.4137	0.0401	0.3697
24	28.11	0.05	0.3263	0.0406	0.1795	0.1243	0.5502	1.1205	0.0445	0.4133	0.0397	0.3689
25	28.47	0.04	0.3635	0.0477	0.1949	0.1311	0.5362	1.1262	0.0437	0.4108	0.0388	0.3648
26	28.72	0.05	0.3318	0.0435	0.1843	0.1310	0.5555	1.1360	0.0445	0.4141	0.0391	0.3643
27	29.03	0.04	0.3400	0.0455	0.1887	0.1337	0.5551	1.1361	0.0439	0.4133	0.0386	0.3638
28	29.37	0.03	0.2587	0.0343	0.1531	0.1324	0.5917	1.1427	0.0454	0.4180	0.0397	0.3658
29	29.65	0.04	0.3019	0.0393	0.1752	0.1301	0.5804	1.1525	0.0447	0.4192	0.0388	0.3637
30	29.93	0.04	0.3188	0.0396	0.1825	0.1241	0.5726	1.1706	0.0442	0.4267	0.0377	0.3645
31	30.21	0.03	0.2047	0.0279	0.1277	0.1366	0.5993	1.1716	0.0458	0.4264	0.0391	0.3633
32	30.48	0.03	0.2905	0.0359	0.1665	0.1235	0.5733	1.1761	0.0443	0.4293	0.0376	0.3642
33	30.75	0.03	0.2369	0.0317	0.1404	0.1336	0.5926	1.1930	0.0450	0.4310	0.0380	0.3644
34	31.04	0.04	0.2648	0.0330	0.1511	0.1244	0.5705	1.1876	0.0431	0.4285	0.0353	0.3608
35	31.31	0.05	0.3583	0.0435	0.1934	0.1213	0.5398	1.1829	0.0385	0.4223	0.0325	0.3570
36	31.58	0.01	0.2487	0.0322	0.1482	0.1293	0.5958	1.2015	0.0431	0.4335	0.0358	0.3608
37	31.85	0.03	0.2235	0.0286	0.1374	0.1262	0.6147	1.2070	0.0436	0.4362	0.0361	0.3614
38	32.13	0.03	0.2596	0.0339	0.1512	0.1304	0.5823	1.2130	0.0410	0.4355	0.0338	0.3591
39	32.39	0.02	0.2625	0.0332	0.1492	0.1263	0.5683	1.2226	0.0416	0.4391	0.0340	0.3592
40	32.65	0.01	0.2097	0.0278	0.1250	0.1328	0.5960	1.2265	0.0427	0.4433	0.0348	0.3615
41	32.92	0.00	0.0803	0.0150	0.0644	0.1871	0.8017	1.2261	0.0455	0.4446	0.0371	0.3626
42	33.16	0.00	0.1205	0.0195	0.0872	0.1620	0.7234	1.2347	0.0437	0.4452	0.0354	0.3606
43	33.41	-0.01	0.0027	0.0060	0.0255	2.2231	9.4444	1.2315	0.0462	0.4467	0.0375	0.3628
44	33.67	0.00	0.0816	0.0136	0.0740	0.1669	0.9067	1.2355	0.0451	0.4454	0.0365	0.3608
45	33.92	0.01	0.1632	0.0180	0.1136	0.1105	0.6963	1.2302	0.0441	0.4410	0.0358	0.3585
46	34.16	0.00	0.0227	0.0030	0.0419	0.1322	1.8414	1.2354	0.0445	0.4449	0.0376	0.3602

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 174 1.00 1.7				0.0	BINOF15	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF1	CHI	CBI	XCPF1	YCPF1	CNF2	CHI2	CBI2	XCPF2	YCPF2	
47	34.43	-0.01	0.0688	0.0096	0.0564	0.1398	0.8195	1.2491	0.0470	0.4508	0.0378	0.3607	
48	34.67	0.01	0.0920	0.0106	0.0735	0.1154	0.7987	1.2449	0.0459	0.4452	0.0368	0.3576	
49	34.91	-0.01	0.1028	0.0126	0.0765	0.1227	0.7439	1.2573	0.0457	0.4438	0.0363	0.3577	
50	35.15	-0.01	0.0707	0.0075	0.0616	0.1063	0.8711	1.2598	0.0469	0.4517	0.0372	0.3585	
51	35.40	-0.00	0.1796	0.0153	0.1098	0.0853	0.6115	1.2641	0.0444	0.4503	0.0351	0.3562	
52	35.63	0.01	0.1377	0.0089	0.0942	0.0648	0.6844	1.2737	0.0451	0.4539	0.0354	0.3563	
53	35.87	0.03	0.2074	0.0173	0.1291	0.0836	0.6224	1.2749	0.0444	0.4502	0.0348	0.3531	
54	36.12	0.02	0.2065	0.0126	0.1294	0.0611	0.6266	1.2843	0.0451	0.4549	0.0351	0.3542	
55	36.36	0.00	0.1793	0.0109	0.1218	0.0609	0.6725	1.2837	0.0462	0.4550	0.0360	0.3544	
56	36.57	-0.02	0.0540	0.0047	0.0528	0.0872	0.9777	1.2866	0.0459	0.4546	0.0357	0.3533	
57	36.83	-0.01	0.0329	0.0008	0.0408	0.0243	1.2371	1.2964	0.0447	0.4565	0.0345	0.3521	
58	37.07	-0.01	0.0518	0.0230	0.0506	0.0581	0.9768	1.2960	0.0449	0.4560	0.0345	0.3518	
59	37.30	-0.02	0.0111	-0.0002	0.0334	-0.0180	3.0090	1.2933	0.0439	0.4551	0.0339	0.3519	
60	37.55	-0.03	0.0921	-0.0004	0.0737	-0.0043	0.8770	1.3054	0.0428	0.4594	0.0328	0.3519	
61	37.78	-0.01	0.1154	-0.0026	0.0914	-0.0226	0.7918	1.3149	0.0428	0.4635	0.0325	0.3525	
62	38.00	-0.00	0.1669	-0.0006	0.1109	-0.0036	0.6647	1.3078	0.0419	0.4586	0.0320	0.3506	
63	38.25	-0.03	-0.0177	-0.0010	0.0119	0.0565	-0.6723	1.3092	0.0414	0.4597	0.0316	0.3511	
64	38.48	-0.02	0.0567	-0.0012	0.0536	-0.0212	0.9452	1.3160	0.0428	0.4604	0.0325	0.3498	
65	38.71	0.03	0.1083	0.0002	0.0840	0.0018	0.7754	1.3160	0.0429	0.4588	0.0326	0.3486	
66	38.94	0.01	0.0776	-0.0022	0.0680	-0.0284	0.8761	1.3140	0.0436	0.4592	0.0332	0.3494	
67	39.18	0.00	0.1166	-0.0017	0.0882	-0.0146	0.7562	1.3247	0.0452	0.4646	0.0341	0.3507	
68	39.41	0.00	0.1273	-0.0027	0.0951	-0.0213	0.7474	1.3205	0.0451	0.4637	0.0341	0.3511	
69	39.61	-0.03	0.0849	-0.0046	0.0721	-0.0543	0.8491	1.3220	0.0453	0.4611	0.0342	0.3488	
70	39.82	0.01	0.0650	0.0008	0.0558	0.0123	0.8582	1.3217	0.0451	0.4588	0.0341	0.3471	
71	40.04	-0.01	0.1081	0.0018	0.0830	0.0167	0.7676	1.3274	0.0438	0.4613	0.0330	0.3475	
72	40.25	-0.01	0.0689	0.0	0.0652	0.0	0.9462	1.3274	0.0438	0.4613	0.0330	0.3475	
73	40.45	-0.01	0.0800	0.0042	0.0649	0.0526	0.8110	1.3184	0.0413	0.4548	0.0313	0.3449	
74	40.67	-0.01	0.1045	0.0092	0.0756	0.0882	0.7232	1.3281	0.0376	0.4544	0.0283	0.3421	
75	40.89	0.04	0.1008	0.0038	0.0792	0.0378	0.7855	1.3387	0.0398	0.4587	0.0297	0.3426	
76	41.13	-0.00	0.0655	0.0105	0.0545	0.1606	0.8318	1.3379	0.0362	0.4568	0.0270	0.3414	
77	41.35	-0.01	0.0960	0.0049	0.0767	0.0511	0.7987	1.3459	0.0383	0.4608	0.0284	0.3424	
78	41.57	-0.03	0.0617	0.0139	0.0417	0.2257	0.6753	1.3212	0.0303	0.4441	0.0230	0.3362	
79	41.76	0.01	0.0513	0.0047	0.0511	0.0918	0.9961	1.3415	0.0373	0.4571	0.0278	0.3407	
80	41.95	-0.01	0.0561	0.0032	0.0541	0.0572	0.9643	1.3444	0.0377	0.4562	0.0280	0.3393	
81	42.15	0.00	0.0337	0.0138	0.0226	0.4097	0.6706	1.3192	0.0291	0.4405	0.0221	0.3339	
82	42.35	-0.01	0.0202	0.0065	0.0255	0.3219	1.2624	1.3389	0.0345	0.4507	0.0257	0.3368	
83	42.54	-0.00	0.0272	0.0057	0.0298	0.2096	1.0956	1.3438	0.0353	0.4513	0.0262	0.3358	
84	42.72	-0.01	0.0372	0.0009	0.0442	0.0242	1.1855	1.3392	0.0376	0.4521	0.0280	0.3375	
85	42.92	-0.03	0.0589	0.0055	0.0481	0.0936	0.8163	1.3351	0.0355	0.4494	0.0266	0.3364	
86	43.10	-0.02	0.0454	0.0084	0.0326	0.1855	0.7196	1.3121	0.0317	0.4358	0.0241	0.3322	
87	43.27	-0.03	0.0351	0.0014	0.0395	0.0399	1.1254	1.3231	0.0358	0.4441	0.0270	0.3397	
88	43.45	-0.04	0.0308	0.0036	0.0319	0.1169	1.0357	1.3367	0.0364	0.4486	0.0272	0.3386	
89	43.65	-0.04	0.0613	0.0153	0.0293	0.2501	0.4788	1.2797	0.0242	0.4209	0.0189	0.3289	
90	43.85	-0.05	0.0653	0.0114	0.0403	0.1749	0.6181	1.3127	0.0304	0.4360	0.0232	0.3322	
91	44.01	-0.04	0.0648	0.0132	0.0320	0.2041	0.4946	1.2804	0.0259	0.4207	0.0203	0.3286	
92	44.19	-0.04	0.0923	0.0157	0.0508	0.1763	0.5499	1.3001	0.0313	0.4289	0.0240	0.3299	

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 0.10-6 PHI CNF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 174 1.00 1.7 0.0 B1V0F15 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CNF1	CH1	CB1	ICPF1	YCPF1	CNF2	CH2	CB2	ICPF2	YCPF2
91	44.39	-0.05	0.0729	0.0156	0.0353	0.2144	0.4849	1.2918	0.0294	0.4244	0.0228	0.3286
94	44.56	-0.03	0.0803	0.0091	0.0507	0.1135	0.6309	1.3138	0.0359	0.4358	0.0273	0.3317
95	44.76	-0.02	0.0834	0.0106	0.0448	0.1273	0.5366	1.3070	0.0340	0.4312	0.0260	0.3299
96	44.93	-0.03	0.0497	0.0207	0.0420	0.0141	0.8448	1.2959	0.0387	0.4259	0.0301	0.3312
97	45.13	-0.03	0.0934	0.0106	0.0538	0.1137	0.5756	1.3019	0.0378	0.4306	0.0290	0.3308
98	45.31	-0.05	0.1041	0.0133	0.0558	0.1279	0.5356	1.2874	0.0350	0.4243	0.0272	0.3296
99	45.49	-0.05	0.0744	0.0365	0.0485	0.0875	0.6514	1.2944	0.0393	0.4299	0.0303	0.3321
100	45.69	-0.02	0.0946	0.0139	0.0512	0.1471	0.5407	1.2946	0.0383	0.4299	0.0296	0.3321
101	45.86	-0.03	0.1003	0.0122	0.0563	0.1218	0.5609	1.2949	0.0398	0.4265	0.0309	0.3320
102	46.03	-0.02	-0.0219	0.0025	0.0044	-0.1142	-0.2009	1.1917	0.0356	0.3932	0.0298	0.3299
103	46.21	-0.00	0.0776	0.0104	0.0494	0.1342	0.6361	1.2614	0.0393	0.4192	0.0311	0.3323
104	46.38	-0.02	0.0532	0.0085	0.0369	0.1601	0.6949	1.2409	0.0391	0.4109	0.0315	0.3311
105	46.57	-0.03	0.0144	0.0039	0.0216	0.2709	1.5000	1.2115	0.0365	0.4013	0.0301	0.3312
106	46.74	-0.02	0.0110	0.0049	0.0182	0.4456	1.6545	1.2056	0.0403	0.3976	0.0334	0.3298
107	46.91	-0.02	-0.0193	0.0021	0.0046	-0.1089	-0.2383	1.2024	0.0402	0.4006	0.0334	0.3332
108	47.09	-0.03	-0.0065	0.0049	0.0090	-0.7541	-1.3846	1.2210	0.0416	0.4087	0.0340	0.3347
109	47.24	-0.00	-0.0301	0.0036	-0.0006	-0.1196	0.0199	1.2307	0.0397	0.4141	0.0322	0.3368
110	47.42	-0.02	-0.0436	-0.0031	-0.0094	0.0021	0.1938	1.2337	0.0378	0.4132	0.0306	0.3349
111	47.59	-0.04	-0.0430	0.0097	-0.0122	-0.2262	0.2844	1.1881	0.0164	0.3939	0.0138	0.3315
112	47.77	-0.01	-0.0417	0.0104	-0.0133	-0.2549	0.3125	1.1692	0.0156	0.3859	0.0134	0.3300
113	47.94	-0.01	-0.0297	0.0064	-0.0060	-0.2156	0.2020	1.2011	0.0142	0.4015	0.0160	0.3343
114	48.10	0.02	-0.0608	-0.0136	-0.0125	0.2241	0.2059	1.1224	0.0101	0.3680	0.0090	0.3278
115	48.28	0.01	-0.0665	-0.0169	-0.0136	0.2546	0.2048	1.1837	0.0164	0.3919	0.0139	0.3311
116	48.46	0.03	-0.0512	-0.0144	-0.0090	0.2819	0.1761	1.1871	0.0169	0.3920	0.0143	0.3300
117	48.62	0.03	-0.0650	-0.0198	-0.0144	0.3052	0.2219	1.2257	0.0205	0.4071	0.0169	0.3327
118	48.82	0.02	-0.0765	-0.0203	-0.0199	0.2648	0.2595	1.2186	0.0183	0.4042	0.0150	0.3317
119	49.00	-0.00	-0.0700	-0.0198	-0.0149	0.2834	0.2132	1.2255	0.0178	0.4053	0.0145	0.3307
120	49.15	-0.02	-0.0815	-0.0259	-0.0196	0.3183	0.2408	1.2353	0.0151	0.4106	0.0122	0.3324
121	49.32	0.02	-0.0532	-0.0239	-0.0073	0.4503	0.1375	1.2570	0.0150	0.4200	0.0120	0.3341
122	49.53	-0.06	-0.0605	-0.0238	-0.0091	0.3942	0.1507	1.2669	0.0126	0.4234	0.0100	0.3342
123	49.70	-0.05	-0.0602	-0.0244	-0.0113	0.4062	0.1980	1.2524	0.0074	0.4151	0.0075	0.3338
124	49.87	-0.05	-0.0533	-0.0244	-0.0069	0.4588	0.1297	1.2634	0.0088	0.4222	0.0070	0.3342
125	50.05	-0.07	-0.0698	-0.0262	-0.0137	0.3760	0.1966	1.2511	0.0079	0.4156	0.0079	0.3322
126	50.22	-0.07	-0.0915	-0.0291	-0.0195	0.3185	0.2133	1.2460	0.0079	0.4144	0.0064	0.3326
127	50.39	-0.07	-0.0879	-0.0260	-0.0203	0.2962	0.2312	1.2081	0.0067	0.3981	0.0056	0.3295
128	50.57	-0.03	-0.0867	-0.0228	-0.0224	0.2634	0.2587	1.2003	0.0046	0.3940	0.0038	0.3282
129	50.72	-0.02	-0.0624	-0.0145	-0.0118	0.2328	0.1894	1.1715	0.0047	0.3851	0.0040	0.3287
130	50.89	-0.02	-0.0610	-0.0054	0.0119	0.4022	-11.9000	1.1744	0.0036	0.3869	0.0031	0.3294
131	51.05	-0.06	0.0109	-0.0022	0.0183	-0.2096	1.7429	1.1550	0.0041	0.3803	0.0036	0.3292
132	51.19	-0.03	0.0316	0.0022	0.0260	0.0696	0.8228	1.1361	0.0037	0.3732	0.0033	0.3285
133	51.37	-0.01	0.0302	0.0050	0.0251	0.1656	0.8311	1.1142	0.0048	0.3660	0.0043	0.3285
134	51.52	-0.03	0.0126	0.0048	0.0163	0.3811	1.2936	1.1297	0.0043	0.3574	0.0040	0.3280
135	51.68	-0.03	0.0242	0.0057	0.0230	0.2356	0.9504	1.0990	0.0054	0.3620	0.0044	0.3294
136	51.85	-0.03	0.0244	0.0057	0.0214	0.2337	0.8770	1.0949	0.0045	0.3633	0.0041	0.3318
137	52.03	-0.04	0.0033	0.0052	0.0101	1.5764	3.0696	1.0868	0.0043	0.3604	0.0040	0.3316
138	52.20	-0.05	0.0011	0.0029	0.0095	2.6374	8.6364	1.0922	0.0045	0.3630	0.0041	0.3324

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 174 1.00 1.7				0.0	81W0F15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
139	52.37	-0.03	0.0106	0.0036	0.0128	0.3398	1.2075	1.1004	0.0045	0.3655	0.0041	0.3330
140	52.52	-0.03	0.0070	0.0042	0.0114	0.6002	1.6286	1.0977	0.0038	0.3676	0.0035	0.3348
141	52.70	-0.02	-0.0022	0.0030	0.0060	-1.3642	-2.7273	1.0828	0.0038	0.3614	0.0035	0.3338
142	52.87	-0.04	0.0059	0.0037	0.0101	0.6274	1.7119	1.0898	0.0033	0.3648	0.0030	0.3348
143	53.02	-0.05	-0.0010	0.0026	0.0066	-2.6010	-6.6000	1.0816	0.0037	0.3609	0.0034	0.3337
144	53.20	-0.04	0.0	0.0034	0.0079	0.0034	0.0079	1.0870	0.0037	0.3646	0.0034	0.3355
145	53.35	-0.02	-0.0020	0.0028	0.0044	-1.4036	-2.2000	1.0885	0.0029	0.3660	0.0027	0.3363
146	53.52	-0.05	-0.0009	0.0032	0.0051	-3.5570	-5.6667	1.0804	0.0034	0.3632	0.0032	0.3362
147	53.68	-0.06	-0.0009	0.0032	0.0051	-3.5570	-5.6667	1.0967	0.0027	0.3690	0.0025	0.3364
148	53.85	-0.06	-0.0068	0.0030	0.0023	-0.4414	-0.3382	1.0912	0.0024	0.3696	0.0022	0.3387
149	54.00	-0.06	0.0002	0.0036	0.0058	18.0072	29.0000	1.1049	0.0025	0.3740	0.0023	0.3385
150	54.14	-0.06	-0.0008	0.0026	0.0045	-3.2513	-5.6250	1.0954	0.0024	0.3694	0.0022	0.3372
151	54.32	-0.08	-0.0020	0.0036	0.0040	-1.7007	-2.0000	1.1049	0.0024	0.3729	0.0022	0.3375
152	54.47	-0.05	-0.0011	0.0041	0.0063	-3.7288	-5.7273	1.1212	0.0015	0.3807	0.0013	0.3395
153	54.63	-0.05	-0.0117	0.0028	0.0018	-0.2394	-0.1538	1.1050	0.0015	0.3734	0.0014	0.3379
154	54.79	-0.02	-0.0119	0.0045	0.0025	-0.3783	-0.2101	1.1103	0.0019	0.3765	0.0017	0.3391
155	54.94	-0.06	-0.0166	0.0040	0.0004	-0.2411	-0.0241	1.1105	0.0008	0.3765	0.0007	0.3390
156	55.09	-0.07	-0.0167	0.0033	0.0024	-0.1977	-0.1437	1.1077	0.0017	0.3741	0.0015	0.3377
157	55.25	-0.05	-0.0239	0.0034	-0.0005	-0.1423	0.0209	1.1064	0.0015	0.3735	0.0014	0.3376
158	55.41	-0.06	-0.0286	0.0026	-0.0027	-0.0909	0.0944	1.1122	0.0003	0.3759	0.0003	0.3388
159	55.55	-0.04	-0.0381	0.0012	-0.0055	-0.0315	0.1444	1.1066	0.0002	0.3747	0.0002	0.3386
160	55.71	-0.06	-0.0299	0.0032	-0.0027	-0.1071	0.0903	1.1134	0.0001	0.3774	0.0001	0.3389
161	55.88	-0.07	-0.0356	0.0017	-0.0062	-0.0478	0.1742	1.1189	-0.0001	0.3789	-0.0001	0.3384
162	56.02	-0.08	-0.0218	0.0037	0.0019	-0.1698	-0.0872	1.1297	-0.0009	0.3828	-0.0008	0.3388
163	56.18	-0.07	-0.0469	0.0011	-0.0064	-0.0235	0.1368	1.1163	-0.0009	0.3789	-0.0008	0.3394
164	56.33	-0.06	-0.0350	0.0014	-0.0068	-0.0400	0.0229	1.1163	-0.0007	0.3794	-0.0006	0.3399
165	56.51	-0.08	-0.0316	0.0032	0.0008	-0.1013	-0.0253	1.1355	-0.0008	0.3837	-0.0007	0.3379
166	56.68	-0.09	-0.0401	0.0017	-0.0016	-0.0923	0.0399	1.1477	-0.0010	0.3896	-0.0009	0.3386
167	56.81	-0.09	-0.0237	0.0044	0.0066	-0.1857	-0.2785	1.1587	-0.0021	0.3919	-0.0018	0.3382
168	56.98	-0.11	-0.0246	0.0038	0.0043	-0.1545	-0.1748	1.1669	-0.0023	0.3942	-0.0020	0.3378
169	57.14	-0.10	-0.0249	0.0040	0.0059	-0.1607	-0.2369	1.1724	-0.0026	0.3974	-0.0022	0.3389
170	57.29	-0.11	-0.0177	0.0039	0.0093	-0.2204	-0.5254	1.1821	-0.0036	0.4021	-0.0031	0.3402
171	57.42	-0.09	-0.0238	0.0039	0.0076	-0.1639	-0.3193	1.1642	-0.0022	0.3937	-0.0019	0.3381
172	57.55	-0.10	-0.0273	0.0034	0.0061	-0.1246	-0.2234	1.1602	-0.0026	0.3928	-0.0022	0.3385
173	57.69	-0.09	-0.0369	0.0031	0.0034	-0.0840	-0.0921	1.1642	-0.0021	0.3931	-0.0018	0.3376
174	57.85	-0.08	-0.0346	0.0029	0.0047	-0.0838	-0.1356	1.1727	-0.0019	0.3964	-0.0016	0.3390
175	57.99	-0.08	-0.0420	0.0020	0.0038	-0.0478	-0.0907	1.1633	-0.0028	0.3926	-0.0024	0.3375
176	58.15	-0.09	-0.0396	0.0027	0.0052	-0.0682	-0.1313	1.1673	-0.0019	0.3940	-0.0016	0.3375
177	58.31	-0.06	-0.0161	0.0040	0.0164	-0.2485	-1.0196	1.1961	-0.0039	0.4051	-0.0033	0.3395
178	58.35	-0.06	-0.0255	0.0040	0.0117	-0.1569	-0.4588	1.1796	-0.0031	0.3993	-0.0025	0.3385

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	174	1.00	1.7	0.0	BLWOF15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CM3	CB3	XCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4
1	-5.74	-0.02	0.0436	9.9999	0.0044	9.9999	0.1011	-0.8368	-0.0489	-0.3390	0.0584	0.4039
2	-5.75	-0.04	0.0436	9.9999	0.0035	9.9999	0.0805	-0.8439	-0.0490	-0.3407	0.0580	0.4037
3	-5.75	-0.04	0.0436	9.9999	0.0044	9.9999	0.1011	-0.8366	-0.0493	-0.3386	0.0589	0.4047
4	-5.84	-0.03	0.0397	9.9999	0.0026	9.9999	0.0655	-0.9199	-0.0482	-0.3308	0.0588	0.4038
5	-4.60	-0.03	0.0436	9.9999	0.0040	9.9999	0.0920	-0.7142	-0.0447	-0.2876	0.0626	0.4026
6	-2.78	-0.03	0.0385	9.9999	0.0011	9.9999	0.0286	-0.5745	-0.0374	-0.2284	0.0650	0.3978
7	-0.92	-0.03	0.0397	9.9999	0.0026	9.9999	0.0655	-0.4490	-0.0274	-0.1741	0.0611	0.3678
8	0.94	-0.02	0.0358	9.9999	0.0028	9.9999	0.0782	-0.3261	-0.0196	-0.1133	0.0602	0.3476
9	2.87	-0.02	0.0474	9.9999	0.0052	9.9999	0.1099	-0.2160	-0.0103	-0.0556	0.0478	0.2573
10	4.70	-0.03	0.0500	9.9999	0.0030	9.9999	0.0601	-0.1064	-0.0004	-0.0154	0.0037	0.1409
11	6.60	-0.03	0.0552	9.9999	0.0019	9.9999	0.0345	-0.0427	0.0070	0.0224	-0.1644	-0.5258
12	8.48	-0.03	0.0541	9.9999	-0.0012	9.9999	-0.0222	0.0375	0.0182	0.0523	0.4855	1.3920
13	10.36	-0.02	0.0643	9.9999	-0.0019	9.9999	-0.0296	0.1281	0.0320	0.0970	0.2495	0.7576
14	12.27	-0.02	0.0733	9.9999	-0.0007	9.9999	-0.0096	0.2245	0.0425	0.1471	0.1892	0.6552
15	14.20	-0.03	0.0695	9.9999	-0.0035	9.9999	-0.0504	0.3344	0.0511	0.2034	0.1528	0.6084
16	16.20	-0.03	0.0719	9.9999	-0.0018	9.9999	-0.0251	0.4465	0.0587	0.2567	0.1314	0.5749
17	18.18	-0.03	0.0633	9.9999	-0.0084	9.9999	-0.1329	0.5778	0.0591	0.3167	0.1023	0.5481
18	20.14	-0.03	0.0671	9.9999	-0.0071	9.9999	-0.1060	0.6793	0.0562	0.3596	0.0827	0.5294
19	22.13	-0.02	0.0773	9.9999	-0.0058	9.9999	-0.0751	0.7450	0.0561	0.3851	0.0753	0.5169
20	24.11	-0.01	0.0810	9.9999	-0.0040	9.9999	-0.0494	0.7924	0.0587	0.4043	0.0741	0.5102
21	26.10	0.01	0.0947	9.9999	0.0045	9.9999	0.0476	0.8049	0.0620	0.4068	0.0770	0.5054
22	28.06	0.04	0.0923	9.9999	0.0053	9.9999	0.0475	0.8446	0.0583	0.4206	0.0690	0.4980
23	28.09	0.06	0.0912	9.9999	0.0047	9.9999	0.0516	0.8354	0.0587	0.4187	0.0703	0.5012
24	28.11	0.05	0.0988	9.9999	0.0073	9.9999	0.0740	0.8418	0.0574	0.4222	0.0682	0.5015
25	28.47	0.04	0.1015	9.9999	0.0075	9.9999	0.0740	0.8414	0.0574	0.4242	0.0682	0.5042
26	28.72	0.05	0.1005	9.9999	0.0070	9.9999	0.0697	0.8662	0.0556	0.4335	0.0642	0.5005
27	29.03	0.04	0.1030	9.9999	0.0082	9.9999	0.0797	0.8630	0.0562	0.4328	0.0651	0.5016
28	29.37	0.03	0.0916	9.9999	0.0032	9.9999	0.0350	0.8960	0.0535	0.4460	0.0597	0.4978
29	29.65	0.04	0.1056	9.9999	0.0094	9.9999	0.0891	0.9029	0.0532	0.4431	0.0589	0.4973
30	29.93	0.04	0.0981	9.9999	0.0038	9.9999	0.0388	0.8999	0.0536	0.4479	0.0595	0.4977
31	30.21	0.03	0.0965	9.9999	0.0041	9.9999	0.0424	0.9461	0.0505	0.4641	0.0534	0.4905
32	30.48	0.03	0.0993	9.9999	0.0064	9.9999	0.0645	0.9296	0.0515	0.4572	0.0554	0.4918
33	30.75	0.03	0.0982	9.9999	0.0053	9.9999	0.0540	0.9429	0.0504	0.4622	0.0534	0.4902
34	31.04	0.04	0.0994	9.9999	0.0059	9.9999	0.0594	0.9573	0.0501	0.4670	0.0525	0.4878
35	31.31	0.05	0.0982	9.9999	0.0058	9.9999	0.0591	0.9464	0.0514	0.4621	0.0543	0.4882
36	31.58	0.01	0.0957	9.9999	0.0025	9.9999	0.0262	0.9750	0.0495	0.4724	0.0507	0.4845
37	31.85	0.03	0.0982	9.9999	0.0048	9.9999	0.0489	0.9855	0.0486	0.4773	0.0493	0.4843
38	32.13	0.03	0.0956	9.9999	0.0056	9.9999	0.0586	0.9837	0.0493	0.4762	0.0501	0.4841
39	32.39	0.02	0.0969	9.9999	0.0052	9.9999	0.0537	0.9897	0.0490	0.4809	0.0495	0.4859
40	32.65	0.01	0.0956	9.9999	0.0046	9.9999	0.0482	1.0082	0.0492	0.4870	0.0488	0.4830
41	32.92	-0.00	0.0981	9.9999	0.0068	9.9999	0.0694	1.0342	0.0493	0.4964	0.0477	0.4800
42	33.16	0.00	0.0956	9.9999	0.0061	9.9999	0.0539	1.0330	0.0488	0.4968	0.0472	0.4810
43	33.41	-0.01	0.0955	9.9999	0.0076	9.9999	0.0797	1.0531	0.0489	0.5025	0.0464	0.4772
44	33.67	0.00	0.0916	9.9999	0.0047	9.9999	0.0514	1.0487	0.0489	0.4995	0.0466	0.4763
45	33.92	0.01	0.1029	9.9999	0.0122	9.9999	0.1187	1.0546	0.0494	0.4998	0.0459	0.4739
46	34.16	0.00	0.0928	9.9999	0.0073	9.9999	0.0787	1.0695	0.0472	0.5029	0.0441	0.4702

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6			PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 174 1.00 1.7			0.0	81WQF15	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	KCPF3	YCPF3	CNF4	CH4	CB4	KCPF4	YCPF4
47	34.41	-0.01	0.0902	9.9999	0.0061	9.9999	0.0677	1.0748	0.0482	0.5071	0.0448	0.4718
48	34.67	0.01	0.0989	9.9999	0.0113	9.9999	0.1144	1.0709	0.0470	0.5023	0.0439	0.4691
49	34.91	-0.01	0.0924	9.9999	0.0108	9.9999	0.1170	1.0784	0.0466	0.5023	0.0432	0.4658
50	35.15	-0.01	0.0898	9.9999	0.0096	9.9999	0.1070	1.0815	0.0460	0.5019	0.0425	0.4641
51	35.40	-0.00	0.0935	9.9999	0.0119	9.9999	0.1274	1.0748	0.0446	0.4943	0.0415	0.4599
52	35.63	0.01	0.0821	9.9999	0.0070	9.9999	0.0854	1.0748	0.0444	0.4900	0.0413	0.4559
53	35.97	0.03	0.0720	9.9999	0.0123	9.9999	0.1338	1.0819	0.0443	0.4947	0.0409	0.4572
54	36.12	0.02	0.0945	9.9999	0.0140	9.9999	0.1483	1.0890	0.0443	0.4936	0.0407	0.4532
55	36.36	0.00	0.0943	9.9999	0.0131	9.9999	0.1469	1.0817	0.0442	0.4852	0.0409	0.4513
56	36.57	-0.02	0.0855	9.9999	0.0123	9.9999	0.1440	1.1025	0.0456	0.4968	0.0413	0.4506
57	36.83	-0.01	0.0803	9.9999	0.0099	9.9999	0.1231	1.1015	0.0445	0.4913	0.0404	0.4461
58	37.07	-0.01	0.0853	9.9999	0.0132	9.9999	0.1549	1.1014	0.0443	0.4917	0.0402	0.4465
59	37.30	-0.02	0.0803	9.9999	0.0118	9.9999	0.1471	1.0985	0.0442	0.4884	0.0402	0.4446
60	37.55	-0.03	0.0776	9.9999	0.0116	9.9999	0.1497	1.0934	0.0424	0.4834	0.0387	0.4421
61	37.78	-0.01	0.0776	9.9999	0.0116	9.9999	0.1497	1.0932	0.0401	0.4820	0.0366	0.4409
62	38.00	-0.00	0.0787	9.9999	0.0122	9.9999	0.1552	1.0644	0.0317	0.4675	0.0297	0.4392
63	38.25	-0.03	0.0587	9.9999	0.0037	9.9999	0.0631	1.1035	0.0420	0.4846	0.0380	0.4392
64	38.48	-0.02	0.0725	9.9999	0.0092	9.9999	0.1271	1.1029	0.0402	0.4837	0.0364	0.4386
65	38.71	0.03	0.0762	9.9999	0.0110	9.9999	0.1445	1.0902	0.0370	0.4770	0.0339	0.4375
66	38.94	0.01	0.0735	9.9999	0.0118	9.9999	0.1608	1.0779	0.0383	0.4788	0.0348	0.4361
67	39.18	0.00	0.0710	9.9999	0.0116	9.9999	0.1636	1.1048	0.0388	0.4820	0.0351	0.4363
68	39.41	0.00	0.0810	9.9999	0.0158	9.9999	0.1953	1.0986	0.0339	0.4771	0.0308	0.4342
69	39.61	-0.03	0.0684	9.9999	0.0119	9.9999	0.1742	1.0934	0.0329	0.4750	0.0300	0.4344
70	39.82	0.01	0.0760	9.9999	0.0130	9.9999	0.1713	1.1206	0.0406	0.4870	0.0362	0.4346
71	40.04	-0.01	0.0672	9.9999	0.0108	9.9999	0.1610	1.0907	0.0320	0.4730	0.0293	0.4338
72	40.25	-0.01	0.0759	9.9999	0.0149	9.9999	0.1966	1.1077	0.0350	0.4789	0.0316	0.4323
73	40.45	-0.01	0.0772	9.9999	0.0170	9.9999	0.2205	1.1115	0.0357	0.4813	0.0321	0.4330
74	40.67	-0.01	0.0634	9.9999	0.0090	9.9999	0.1422	1.1330	0.0407	0.4910	0.0359	0.4334
75	40.89	0.04	0.0833	9.9999	0.0200	9.9999	0.2404	1.1095	0.0334	0.4760	0.0301	0.4299
76	41.13	-0.00	0.0634	9.9999	0.0105	9.9999	0.1659	1.1447	0.0400	0.4949	0.0349	0.4323
77	41.35	-0.01	0.0658	9.9999	0.0131	9.9999	0.1794	1.1702	0.0149	0.4807	0.0311	0.4291
78	41.57	-0.03	0.0608	9.9999	0.0113	9.9999	0.1862	1.1624	0.0414	0.5022	0.0356	0.4320
79	41.76	0.01	0.0708	9.9999	0.0140	9.9999	0.1980	1.1317	0.0336	0.4823	0.0276	0.4262
80	41.95	-0.01	0.0558	9.9999	0.0084	9.9999	0.1508	1.1265	0.0327	0.4807	0.0290	0.4267
81	42.15	0.00	0.0732	9.9999	0.0157	9.9999	0.2148	1.1794	0.0401	0.5062	0.0340	0.4292
82	42.35	-0.01	0.0557	9.9999	0.0094	9.9999	0.1691	1.1598	0.0366	0.4948	0.0315	0.4266
83	42.54	-0.00	0.0693	9.9999	0.0139	9.9999	0.2009	1.1559	0.0355	0.4922	0.0307	0.4258
84	42.72	-0.01	0.0555	9.9999	0.0103	9.9999	0.1859	1.1173	0.0274	0.4724	0.0246	0.4228
85	42.92	-0.03	0.0531	9.9999	0.0086	9.9999	0.1623	1.1307	0.0311	0.4785	0.0275	0.4232
86	43.10	-0.02	0.0607	9.9999	0.0132	9.9999	0.1992	1.1438	0.0356	0.4843	0.0311	0.4234
87	43.27	-0.03	0.0516	9.9999	0.0055	9.9999	0.1650	1.1231	0.0285	0.4738	0.0254	0.4219
88	43.45	-0.04	0.0553	9.9999	0.0113	9.9999	0.2047	1.1439	0.0320	0.4816	0.0279	0.4210
89	43.65	-0.04	0.0454	9.9999	0.0051	9.9999	0.1126	1.1514	0.0421	0.4884	0.0365	0.4242
90	43.85	-0.05	0.0479	9.9999	0.0058	9.9999	0.1213	1.1402	0.0362	0.4810	0.0317	0.4214
91	44.01	-0.04	0.0527	9.9999	0.0096	9.9999	0.1825	1.1317	0.0388	0.4781	0.0343	0.4225
92	44.19	-0.04	0.0677	9.9999	0.0152	9.9999	0.2249	1.1460	0.0380	0.4826	0.0331	0.4211

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	174	1.00	1.7	0.0	BIWOF15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CM3	CB3	XCPF3	YCPF3	CNF4	CM4	CB4	XCPF4	YCPF4
97	44.39	-0.05	0.0651	9.9999	0.0150	9.9999	0.2308	1.1664	0.0398	0.4888	0.0343	0.4211
98	44.56	-0.03	0.0503	9.9999	0.0079	9.9999	0.1574	1.1398	0.0330	0.4782	0.0289	0.4195
95	44.76	-0.02	0.0552	9.9999	0.0103	9.9999	0.1869	1.1494	0.0384	0.4817	0.0334	0.4191
96	44.93	-0.03	0.0428	9.9999	0.0044	9.9999	0.1030	1.0966	0.0256	0.4576	0.0234	0.4172
97	45.13	-0.03	0.0625	9.9999	0.0138	9.9999	0.2212	1.1399	0.0344	0.4751	0.0301	0.4168
98	45.31	-0.05	0.0427	9.9999	0.0049	9.9999	0.1150	1.1262	0.0355	0.4724	0.0314	0.4187
99	45.49	-0.05	0.0464	9.9999	0.0071	9.9999	0.1533	1.1234	0.0293	0.4669	0.0267	0.4158
100	45.69	-0.02	0.0513	9.9999	0.0099	9.9999	0.1934	1.1483	0.0365	0.4791	0.0318	0.4172
101	45.86	-0.03	0.0513	9.9999	0.0104	9.9999	0.2031	1.1329	0.0336	0.4713	0.0296	0.4160
102	46.03	-0.02	0.0549	9.9999	0.0127	9.9999	0.2318	1.0592	0.0176	0.4368	0.0166	0.4124
103	46.21	-0.00	0.0488	9.9999	0.0092	9.9999	0.1889	1.1129	0.0281	0.4612	0.0253	0.4144
104	46.38	-0.02	0.0451	9.9999	0.0065	9.9999	0.1444	1.0996	0.0270	0.4552	0.0246	0.4141
105	46.57	-0.03	0.0400	9.9999	0.0051	9.9999	0.1275	1.0715	0.0204	0.4422	0.0191	0.4127
106	46.74	-0.02	0.0476	9.9999	0.0082	9.9999	0.1726	1.0749	0.0215	0.4420	0.0200	0.4112
107	46.91	-0.02	0.0487	9.9999	0.0092	9.9999	0.1893	1.0675	0.0191	0.4385	0.0179	0.4108
108	47.09	-0.01	0.0426	9.9999	0.0058	9.9999	0.1365	1.0817	0.0217	0.4446	0.0201	0.4111
109	47.24	-0.00	0.0377	9.9999	0.0025	9.9999	0.0663	1.0978	0.0226	0.4506	0.0206	0.4104
110	47.42	-0.02	0.0339	9.9999	0.0022	9.9999	0.0649	1.0954	0.0247	0.4497	0.0226	0.4105
111	47.59	-0.04	0.0389	9.9999	0.0036	9.9999	0.0925	1.0931	0.0168	0.4502	0.0153	0.4093
112	47.77	-0.01	0.0451	9.9999	0.0075	9.9999	0.1667	1.0815	0.0128	0.4440	0.0119	0.4106
113	47.94	-0.01	0.0552	9.9999	0.0103	9.9999	0.1869	1.0799	0.0157	0.4431	0.0146	0.4103
114	48.10	0.02	0.0599	9.9999	0.0155	9.9999	0.2592	0.9350	0.0074	0.3840	0.0079	0.4106
115	48.28	0.01	0.0599	9.9999	0.0150	9.9999	0.2508	0.9532	0.0075	0.3916	0.0079	0.4108
116	48.46	0.03	0.0599	9.9999	0.0165	9.9999	0.2759	0.9472	0.0076	0.3878	0.0080	0.4094
117	48.62	0.03	0.0562	9.9999	0.0148	9.9999	0.2636	0.9520	0.0091	0.3820	0.0096	0.4086
118	48.82	0.02	0.0624	9.9999	0.0177	9.9999	0.2841	0.9570	0.0097	0.3913	0.0102	0.4089
119	49.00	-0.00	0.0525	9.9999	0.0130	9.9999	0.2481	0.9529	0.0095	0.3884	0.0100	0.4076
120	49.15	-0.02	0.0539	9.9999	0.0116	9.9999	0.2156	0.9655	0.0116	0.3926	0.0120	0.4066
121	49.32	0.02	0.0453	9.9999	0.0065	9.9999	0.1438	0.9610	0.0124	0.3914	0.0129	0.4073
122	49.53	-0.06	0.0440	9.9999	0.0069	9.9999	0.1572	0.9809	0.0120	0.3995	0.0123	0.4073
123	49.70	-0.05	0.0490	9.9999	0.0093	9.9999	0.1902	0.9853	0.0111	0.4022	0.0113	0.4082
124	49.87	-0.05	0.0565	9.9999	0.0123	9.9999	0.2181	1.0033	0.0116	0.4083	0.0116	0.4069
125	50.05	-0.07	0.0404	9.9999	0.0042	9.9999	0.1040	0.9766	0.0109	0.3977	0.0112	0.4072
126	50.22	-0.07	0.0417	9.9999	0.0053	9.9999	0.1274	0.9991	0.0104	0.4064	0.0104	0.4068
127	50.39	-0.07	0.0492	9.9999	0.0093	9.9999	0.1894	0.9989	0.0112	0.4027	0.0113	0.4072
128	50.57	-0.03	0.0480	9.9999	0.0068	9.9999	0.1420	1.0049	0.0102	0.4034	0.0102	0.4064
129	50.72	-0.02	0.0379	9.9999	0.0030	9.9999	0.0792	1.0134	0.0101	0.4121	0.0100	0.4066
130	50.89	-0.02	0.0404	9.9999	0.0052	9.9999	0.1287	1.0341	0.0113	0.4196	0.0109	0.4058
131	51.05	-0.06	0.0515	9.9999	0.0105	9.9999	0.2043	1.0305	0.0105	0.4188	0.0102	0.4064
132	51.19	-0.03	0.0478	9.9999	0.0092	9.9999	0.1929	1.0292	0.0102	0.4182	0.0099	0.4064
133	51.37	-0.01	0.0378	9.9999	0.0045	9.9999	0.1190	1.0444	0.0107	0.4241	0.0103	0.4061
134	51.52	-0.03	0.0502	9.9999	0.0114	9.9999	0.2275	1.0199	0.0091	0.4142	0.0089	0.4061
135	51.68	-0.03	0.0428	9.9999	0.0073	9.9999	0.1710	1.0508	0.0093	0.4264	0.0089	0.4058
136	51.85	-0.03	0.0427	9.9999	0.0083	9.9999	0.1945	1.0215	0.0085	0.4137	0.0083	0.4050
137	52.03	-0.04	0.0477	9.9999	0.0107	9.9999	0.2248	1.0232	0.0080	0.4158	0.0078	0.4064
138	52.20	-0.05	0.0526	9.9999	0.0140	9.9999	0.2667	1.0193	0.0073	0.4128	0.0072	0.4050

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER (NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST	PART	MACH	RX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	174	1.00	1.7	0.0	BIWOF15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	C43	CB3	KCPF3	YCPF3	CNF4	CM4	CB4	KCPF4	YCPF4
139	52.37	-0.03	0.0477	9.9999	0.0107	9.9999	0.2248	1.0105	0.0078	0.4091	0.0077	0.4048
140	52.52	-0.03	0.0463	9.9999	0.0120	9.9999	0.2597	0.9913	0.0073	0.4015	0.0074	0.4050
141	52.79	-0.02	0.0464	9.9999	0.0110	9.9999	0.2376	0.9957	0.0071	0.4034	0.0071	0.4051
142	52.87	-0.04	0.0475	9.9999	0.0126	9.9999	0.2658	0.9860	0.0072	0.3982	0.0073	0.4038
143	53.02	-0.05	0.0500	9.9999	0.0128	9.9999	0.2565	0.9346	0.0073	0.3978	0.0074	0.4038
144	53.20	-0.04	0.0487	9.9999	0.0132	9.9999	0.2716	0.9834	0.0068	0.3964	0.0069	0.4031
145	53.35	-0.02	0.0450	9.9999	0.0114	9.9999	0.2539	0.9897	0.0061	0.3989	0.0062	0.4030
146	53.52	-0.05	0.0413	9.9999	0.0092	9.9999	0.2233	0.9781	0.0067	0.3919	0.0069	0.4007
147	53.68	-0.06	0.0363	9.9999	0.0068	9.9999	0.1873	0.9868	0.0061	0.3951	0.0062	0.4014
148	53.85	-0.06	0.0487	9.9999	0.0127	9.9999	0.2613	0.9954	0.0058	0.3998	0.0058	0.4016
149	54.00	-0.06	0.0387	9.9999	0.0080	9.9999	0.2067	0.9939	0.0060	0.3992	0.0060	0.4016
150	54.14	-0.06	0.0375	9.9999	0.0079	9.9999	0.2107	0.9850	0.0068	0.3940	0.0069	0.4000
151	54.32	-0.08	0.0412	9.9999	0.0106	9.9999	0.2579	0.9951	0.0063	0.3978	0.0063	0.3997
152	54.47	-0.05	0.0413	9.9999	0.0096	9.9999	0.2330	1.0097	0.0052	0.4018	0.0052	0.3979
153	54.63	-0.08	0.0386	9.9999	0.0104	9.9999	0.2694	1.0213	0.0046	0.4046	0.0045	0.3962
154	54.79	-0.02	0.0461	9.9999	0.0135	9.9999	0.2935	1.0153	0.0050	0.4072	0.0049	0.3961
155	54.94	-0.06	0.0449	9.9999	0.0134	9.9999	0.2991	1.0312	0.0043	0.4079	0.0042	0.3956
156	55.09	-0.07	0.0425	9.9999	0.0107	9.9999	0.2524	1.0225	0.0047	0.4027	0.0046	0.3939
157	55.23	-0.05	0.0413	9.9999	0.0096	9.9999	0.2330	1.0312	0.0043	0.4058	0.0042	0.3935
158	55.41	-0.06	0.0325	9.9999	0.0065	9.9999	0.2000	1.0409	0.0045	0.4070	0.0043	0.3910
159	55.55	-0.04	0.0363	9.9999	0.0078	9.9999	0.2149	1.0451	0.0043	0.4108	0.0041	0.3931
160	55.71	-0.06	0.0451	9.9999	0.0114	9.9999	0.2533	1.0383	0.0037	0.4076	0.0036	0.3926
161	55.88	-0.07	0.0451	9.9999	0.0119	9.9999	0.2644	1.0436	0.0043	0.4081	0.0041	0.3911
162	56.02	-0.08	0.0401	9.9999	0.0091	9.9999	0.2269	1.0320	0.0045	0.4045	0.0045	0.3920
163	56.18	-0.07	0.0415	9.9999	0.0097	9.9999	0.2343	1.0450	0.0037	0.4139	0.0035	0.3923
164	56.33	-0.06	0.0440	9.9999	0.0104	9.9999	0.2369	1.0406	0.0043	0.4077	0.0041	0.3918
165	56.51	-0.04	0.0428	9.9999	0.0093	9.9999	0.2178	1.0430	0.0050	0.4064	0.0048	0.3897
166	56.68	-0.09	0.0390	9.9999	0.0051	9.9999	0.1564	1.0604	0.0041	0.4133	0.0039	0.3898
167	56.81	-0.09	0.0365	9.9999	0.0059	9.9999	0.1616	1.0505	0.0038	0.4092	0.0036	0.3895
168	56.98	-0.11	0.0429	9.9999	0.0083	9.9999	0.1939	1.0592	0.0034	0.4114	0.0032	0.3884
169	57.14	-0.10	0.0466	9.9999	0.0101	9.9999	0.2172	1.0621	0.0031	0.4126	0.0029	0.3885
170	57.29	-0.11	0.0390	9.9999	0.0065	9.9999	0.1667	1.0555	0.0027	0.4106	0.0026	0.3890
171	57.42	-0.09	0.0390	9.9999	0.0061	9.9999	0.1564	1.0481	0.0034	0.4065	0.0032	0.3878
172	57.55	-0.10	0.0490	9.9999	0.0108	9.9999	0.2209	1.0538	0.0032	0.4090	0.0030	0.3881
173	57.69	-0.09	0.0402	9.9999	0.0074	9.9999	0.1891	1.0523	0.0034	0.4073	0.0032	0.3871
174	57.85	-0.08	0.0503	9.9999	0.0119	9.9999	0.2371	1.0567	0.0032	0.4091	0.0030	0.3872
175	57.99	-0.08	0.0453	9.9999	0.0090	9.9999	0.1991	1.0612	0.0029	0.4101	0.0027	0.3865
176	58.15	-0.09	0.0428	9.9999	0.0088	9.9999	0.2061	1.0510	0.0036	0.4048	0.0034	0.3852
177	58.31	-0.06	0.0490	9.9999	0.0113	9.9999	0.2311	1.0646	0.0018	0.4097	0.0017	0.3848
178	59.35	-0.08	0.0454	9.9999	0.0085	9.9999	0.1876	1.0644	0.0022	0.4097	0.0021	0.3849

PAGE 1 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART	MACH	AX10-6	PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7	175	1.10	1.7	0.0	81WOF15	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CN	CLM	CV	CLM	CLL	CA	CAB	CAF	KCP
1	-5.72	-0.04	-1.5796	5.2028	-0.0917	0.0320	0.0361	0.6716	0.2468	0.4248	-3.2937
2	-5.73	-0.02	-1.6067	5.1579	0.1844	-0.1799	0.0064	0.6753	0.2468	0.4284	-3.2102
3	-5.72	-0.04	-1.5698	5.1821	-0.0121	0.0141	0.0063	0.6715	0.2444	0.4271	-3.3011
4	-5.72	-0.02	-1.5936	5.1738	0.2064	-0.2005	0.0065	0.6709	0.2465	0.4244	-3.2466
5	-5.29	-0.04	-1.4404	4.7887	-0.0339	0.0345	0.0009	0.6674	0.2362	0.4312	-3.3244
6	-3.28	-0.03	-1.0722	4.0518	0.0538	-0.0347	0.0372	0.6283	0.2288	0.3995	-3.7792
7	-1.48	-0.04	-0.8429	3.3993	-0.0059	-0.0588	0.0021	0.6155	0.2206	0.3949	-4.0326
8	0.43	-0.03	-0.5278	2.6267	0.1501	-0.1536	0.0082	0.5940	0.2262	0.3678	-4.9769
9	2.32	-0.04	-0.2313	1.9625	0.0160	-0.0717	0.0032	0.5700	0.2312	0.3389	-8.4839
10	4.20	-0.02	0.0892	1.3048	0.1538	-0.0857	0.0092	0.5578	0.2442	0.3136	14.6202
11	6.12	-0.04	0.3551	0.7581	-0.0388	-0.0199	0.0044	0.5623	0.2571	0.3052	2.1351
12	8.05	-0.03	0.6201	0.2115	0.1413	-0.0936	0.0052	0.5603	0.2799	0.2803	0.3410
13	9.92	-0.02	0.9412	-0.3913	0.1522	-0.1045	0.0168	0.5498	0.2947	0.2551	-0.4157
14	11.88	-0.04	1.3348	-1.1439	-0.0019	0.0300	0.0175	0.5359	0.3032	0.2327	-0.4570
15	13.83	-0.04	1.7589	-2.0230	-0.0204	0.1042	0.0233	0.4917	0.3029	0.1998	-1.1502
16	15.84	-0.05	2.1604	-2.8300	-0.1004	0.3532	0.0233	0.4644	0.3046	0.1599	-1.3099
17	17.87	-0.04	2.5771	-3.4729	-0.0205	0.3162	0.0243	0.4265	0.3081	0.1195	-1.3475
18	19.85	-0.02	3.0406	-4.0434	0.0358	0.3121	0.0147	0.3985	0.3131	0.0954	-1.3298
19	21.88	-0.03	3.6656	-4.2688	0.0657	-0.0241	-0.0387	0.3414	0.2983	0.0431	-1.1678
20	23.92	-0.04	4.2679	-4.4198	0.0316	0.1164	-0.0121	0.2954	0.2849	0.0104	-1.0356
21	25.94	-0.02	5.0085	-4.6423	0.2245	-0.5724	0.0247	0.2640	0.2906	-0.0265	-0.9269
22	28.03	0.00	5.7239	-4.6045	0.4825	-1.1951	0.0995	0.2538	0.3211	-0.0672	-0.8044
23	28.19	0.01	5.6853	-4.5988	0.5263	-1.0650	0.0828	0.2217	0.3098	-0.0880	-0.8089
24	28.55	-0.01	5.7727	-4.5415	0.3264	-0.5816	0.0555	0.2529	0.3092	-0.0562	-0.7867
25	28.82	0.02	5.9969	-4.6374	0.5402	-1.0210	0.0596	0.2310	0.3102	-0.0791	-0.7733
26	29.13	0.00	6.0192	-4.6513	0.4280	-0.8013	0.0676	0.2173	0.3133	-0.0959	-0.7727
27	29.46	0.00	6.1394	-4.7568	0.3669	-0.6774	0.0679	0.2222	0.3102	-0.0879	-0.7748
28	29.74	0.03	6.2636	-4.7607	0.6042	-0.9658	0.0798	0.2112	0.3205	-0.1096	-0.7601
29	30.03	0.03	6.2436	-4.8381	0.7106	-1.2879	0.1186	0.2231	0.3249	-0.1018	-0.7687
30	30.31	0.03	6.4559	-4.8578	0.6555	-1.2361	0.1192	0.2252	0.3317	-0.1065	-0.7525
31	30.58	0.03	6.5682	-4.9183	0.7186	-1.3236	0.1251	0.2144	0.3320	-0.1176	-0.7488
32	30.86	0.01	6.7326	-5.0567	0.4041	-0.5143	0.1149	0.2101	0.3300	-0.1199	-0.7511
33	31.16	0.01	6.8469	-5.3785	0.4392	-0.5187	0.1194	0.2185	0.3370	-0.1195	-0.7417
34	31.43	0.02	6.9647	-5.0503	0.4471	-0.4311	0.1198	0.2137	0.3384	-0.1247	-0.7251
35	31.70	-0.00	7.0633	-5.0437	0.1692	-0.0610	0.0512	0.2179	0.3409	-0.1230	-0.7141
36	31.97	-0.00	7.1535	-5.1806	0.2075	0.0771	0.0916	0.2028	0.3449	-0.1421	-0.7242
37	32.23	0.01	7.3918	-5.2289	0.2487	-0.0230	0.0925	0.2106	0.3469	-0.1353	-0.7161
38	32.51	-0.00	7.3793	-5.2473	0.2032	-0.0059	0.0420	0.2168	0.3530	-0.1362	-0.7111
39	32.77	-0.01	7.5301	-5.3656	0.1642	0.1370	0.0984	0.2035	0.3544	-0.1509	-0.7125
40	33.04	-0.03	7.6190	-5.2733	-0.0409	0.4195	0.0599	0.2074	0.3559	-0.1485	-0.6921
41	33.29	0.00	7.7037	-5.4194	0.3010	-0.1181	0.1052	0.2131	0.3605	-0.1474	-0.7035
42	33.54	0.00	7.8736	-5.5780	0.1578	0.2498	0.0935	0.2252	0.3690	-0.1438	-0.7084
43	33.81	0.00	7.9549	-5.5475	0.2164	0.2732	0.0774	0.2190	0.3721	-0.1531	-0.6974
44	34.06	-0.01	8.1094	-5.7321	0.0057	0.4518	0.0721	0.2218	0.3747	-0.1529	-0.7068
45	34.30	0.01	8.2609	-5.7583	0.2950	0.0042	0.1011	0.2116	0.3774	-0.1658	-0.6971
46	34.57	-0.01	8.3767	-5.7416	0.0638	0.4452	0.0839	0.2239	0.3817	-0.1574	-0.6854

PAGE 1 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 175 1.10 1.7				0.0	BLWOF15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CM	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP	
47	34.83	-0.01	8.4712	-5.8524	0.0016	0.5821	0.0621	0.2167	0.3837	-0.1670	-0.6909	
48	35.04	0.01	8.5063	-5.9362	0.3026	0.1616	0.1066	0.2091	0.3828	-0.1737	-0.6976	
49	35.31	-0.02	8.6440	-5.9060	0.0496	0.3908	0.0742	0.2109	0.3842	-0.1733	-0.6832	
50	35.57	-0.01	8.7402	-6.0199	0.1419	0.4011	0.0743	0.2308	0.3911	-0.1603	-0.6888	
51	35.82	-0.01	8.8637	-6.0752	0.1777	0.2123	0.0862	0.2156	0.3940	-0.1754	-0.6854	
52	36.05	-0.03	8.9290	-6.0978	-0.0849	0.6921	0.0634	0.2270	0.3971	-0.1741	-0.6829	
53	36.30	-0.02	9.0787	-6.1212	0.0601	0.3714	0.0758	0.1953	0.3950	-0.1997	-0.6742	
54	36.54	-0.02	9.1496	-6.2682	0.1584	0.2688	0.0924	0.2085	0.3946	-0.1861	-0.6851	
55	36.78	-0.04	9.2997	-6.2368	-0.0240	0.5291	0.0490	0.1960	0.3887	-0.2027	-0.6706	
56	37.02	-0.02	9.4214	-6.3452	0.1220	0.4574	0.0656	0.1812	0.3890	-0.2078	-0.6735	
57	37.27	-0.03	9.4515	-6.3386	0.0680	0.3169	0.0501	0.1829	0.3830	-0.2001	-0.6706	
58	37.51	-0.02	9.6000	-6.3881	0.2765	0.1014	0.0565	0.1633	0.3774	-0.2141	-0.6654	
59	37.76	-0.03	9.7212	-6.4660	0.1002	0.2480	0.0567	0.1610	0.3744	-0.2134	-0.6651	
60	37.99	-0.03	9.7431	-6.4484	0.1417	0.3930	0.0616	0.1733	0.3786	-0.2053	-0.6615	
61	38.21	-0.03	9.7593	-6.3884	0.1148	0.3120	0.0512	0.1531	0.3636	-0.2105	-0.6546	
62	38.46	-0.05	9.9548	-6.5915	-0.0308	0.3904	0.0518	0.1549	0.3681	-0.2132	-0.6621	
63	38.68	-0.04	9.9540	-6.5355	0.0510	0.1879	0.0417	0.1544	0.3615	-0.2021	-0.6566	
64	38.96	-0.03	10.0065	-6.6170	0.0684	0.5398	0.0512	0.1693	0.3681	-0.1988	-0.6613	
65	39.18	-0.05	10.0985	-6.6079	-0.0637	0.6543	0.0514	0.1564	0.3540	-0.1976	-0.6543	
66	39.42	-0.04	10.1337	-6.7217	0.0483	0.3562	0.0206	0.1305	0.3530	-0.2225	-0.6505	
67	39.64	-0.04	10.3852	-6.8149	0.0035	0.6311	0.0305	0.1158	0.3534	-0.2376	-0.6562	
68	39.83	-0.04	10.3727	-6.7489	-0.0402	0.4396	0.0205	0.1113	0.3446	-0.2333	-0.6506	
69	40.05	-0.02	10.4912	-6.9078	0.1679	0.4674	0.0203	0.1236	0.3410	-0.2174	-0.6584	
70	40.25	-0.05	10.5144	-6.8437	-0.1559	0.6550	0.0204	0.1031	0.3376	-0.2345	-0.6509	
71	40.46	-0.05	10.6677	-6.9994	-0.1072	0.4936	0.0214	0.1040	0.3327	-0.2267	-0.6561	
72	40.66	-0.03	10.7192	-6.9072	0.0955	0.3909	0.0108	0.1018	0.3349	-0.2330	-0.6444	
73	40.88	-0.05	10.8757	-6.9732	-0.0329	0.3467	0.0009	0.0834	0.3215	-0.2380	-0.6412	
74	41.09	-0.04	10.9137	-7.0815	-0.0068	0.4092	0.0114	0.0534	0.3197	-0.2662	-0.6489	
75	41.28	-0.04	10.9130	-6.9212	-0.0222	0.7942	-0.0008	0.0835	0.3201	-0.2365	-0.6342	
76	41.51	-0.02	11.1158	-7.1957	0.1637	0.3470	0.0012	0.0768	0.3180	-0.2411	-0.6473	
77	41.70	-0.04	11.1518	-7.1288	-0.0067	0.3933	0.0015	0.0465	0.3099	-0.2633	-0.6393	
78	41.90	-0.04	11.2030	-7.1932	0.0034	0.3617	-0.0091	0.0709	0.3152	-0.2442	-0.6421	
79	42.10	-0.05	11.2269	-7.1586	-0.0115	0.5414	-0.0097	0.0565	0.3053	-0.2497	-0.6376	
80	42.29	-0.07	11.3906	-7.3478	-0.2078	0.5212	0.0020	0.0265	0.3109	-0.2843	-0.6451	
81	42.49	-0.05	11.4517	-7.2495	-0.0065	0.4088	-0.0076	0.0395	0.3089	-0.2693	-0.6331	
82	42.68	-0.06	11.5147	-7.3091	-0.0986	0.1832	0.0046	0.0287	0.3088	-0.2800	-0.6348	
83	42.86	-0.07	11.5953	-7.3327	-0.1224	0.4000	0.0149	0.0257	0.3029	-0.2770	-0.6324	
84	43.06	-0.06	11.7661	-7.4353	-0.1295	0.2708	0.0159	-0.0062	0.3021	-0.3093	-0.6319	
85	43.22	-0.06	11.7574	-7.3206	-0.1111	0.6452	-0.0181	0.0491	0.3059	-0.2567	-0.6226	
86	43.39	-0.05	11.7653	-7.3382	0.0188	0.0047	0.0223	0.0229	0.2999	-0.2769	-0.6237	
87	43.59	-0.05	11.8703	-7.3537	0.0234	-0.1153	0.0392	0.0047	0.2981	-0.2934	-0.6195	
88	43.77	-0.06	11.8972	-7.4117	-0.0985	0.2029	0.0168	0.0201	0.3073	-0.2871	-0.6230	
89	43.96	-0.06	12.0359	-7.4395	-0.0654	0.1519	0.0229	0.0139	0.2974	-0.2843	-0.6181	
90	44.12	-0.04	12.0188	-7.3846	0.1955	-0.4868	0.0404	0.0196	0.2949	-0.2752	-0.6144	
91	44.30	-0.06	12.1189	-7.4058	-0.0909	0.0883	0.0180	-0.0129	0.2911	-0.3040	-0.6111	
92	44.50	-0.06	12.1642	-7.4283	0.0192	-0.1783	0.0404	0.0059	0.2925	-0.2865	-0.6107	

PAGE 1 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6 PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION
7 175 1.10 1.7 0.0 5100F15 0.0 0 -10 0 -10 UNKNOWN

POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	XCP
91	44.68	-0.07	12.2856	-7.4735	-0.0426	0.1609	0.0373	-0.0075	0.2957	-0.3032	-0.6099
94	44.66	-0.07	12.2925	-7.3375	-0.1142	0.5757	-0.0350	0.0007	0.2991	-0.2984	-0.5969
95	45.05	-0.06	12.3475	-7.3797	0.0776	-0.1658	0.0413	0.0018	0.2917	-0.2899	-0.5977
96	45.21	-0.06	12.3930	-7.2380	0.0771	-0.0137	0.0302	-0.0160	0.2941	-0.3101	-0.5840
97	45.40	-0.04	12.4691	-7.1652	0.2700	-0.4425	0.0534	0.0007	0.2994	-0.2977	-0.5746
99	45.59	-0.08	12.5281	-7.2464	-0.1915	0.8706	-0.0488	0.0148	0.3055	-0.2907	-0.5784
99	45.77	-0.07	12.4593	-7.1650	-0.0413	0.4054	-0.0291	-0.0018	0.2970	-0.2988	-0.5751
100	45.95	-0.06	12.6431	-7.2409	0.0160	0.1752	0.0097	-0.0182	0.3069	-0.3251	-0.5727
101	46.11	-0.08	12.6138	-7.0830	-0.1751	0.7378	-0.0423	0.0171	0.3126	-0.2355	-0.5615
102	46.29	-0.05	12.6634	-7.1454	0.0939	0.0920	0.0201	0.0073	0.3069	-0.2996	-0.5634
103	46.47	-0.06	12.7873	-7.1587	0.0187	0.4451	-0.0027	0.0020	0.3111	-0.3091	-0.5598
104	46.65	-0.07	12.7825	-6.9787	-0.1542	0.6998	-0.0361	0.0121	0.3143	-0.3022	-0.5460
105	46.81	-0.07	12.8756	-6.9699	-0.2416	1.0480	-0.0698	0.0277	0.3260	-0.2953	-0.5413
106	46.99	-0.06	12.8972	-6.7860	-0.1703	1.0796	-0.3907	0.0558	0.3453	-0.2900	-0.5262
107	47.17	-0.07	13.0166	-6.9334	-0.1641	0.9550	-0.3793	0.0616	0.3417	-0.2800	-0.5327
108	47.35	-0.08	13.0212	-6.5013	-0.3073	0.8936	-0.6691	0.0624	0.3565	-0.2941	-0.5223
109	47.50	-0.06	12.9677	-6.5232	-0.1202	0.9036	-0.3738	0.0807	0.3626	-0.2818	-0.5030
110	47.67	-0.07	12.9749	-6.1951	-0.1727	0.7362	-0.0565	0.1056	0.3778	-0.2722	-0.4775
111	47.87	-0.06	13.1060	-6.0197	-0.0949	0.7318	-0.0119	0.1230	0.3679	-0.2449	-0.4593
112	48.04	-0.06	13.1801	-6.1584	-0.2085	1.0234	0.9203	0.1651	0.4001	-0.2350	-0.4672
113	48.19	-0.07	13.1332	-6.0792	-0.2580	0.9726	0.0095	0.1463	0.3920	-0.2457	-0.4629
114	48.38	-0.07	13.3167	-6.1698	-0.2290	1.0912	0.3368	0.1572	0.4143	-0.2571	-0.4783
115	48.55	-0.06	13.2494	-6.2913	-0.1971	1.2664	0.0523	0.1752	0.4295	-0.2543	-0.4748
116	48.70	-0.05	13.2567	-6.2941	-0.1322	0.9411	0.0481	0.1842	0.4320	-0.2478	-0.4748
117	48.89	-0.05	13.2888	-6.2072	-0.0842	0.9755	0.0536	0.1859	0.4350	-0.2491	-0.4871
118	49.04	-0.05	13.3760	-6.1281	-0.0721	0.9837	0.0594	0.1811	0.4322	-0.2511	-0.4581
119	49.20	-0.05	13.3276	-5.9162	-0.0027	0.9776	0.0538	0.1788	0.4304	-0.2516	-0.4439
120	49.38	-0.03	13.2865	-5.6324	0.0901	1.2040	0.0637	0.1524	0.4216	-0.2692	-0.4239
121	49.56	-0.05	13.4017	-5.9854	-0.0090	1.0812	0.0645	0.1568	0.4229	-0.2661	-0.4466
122	49.75	-0.03	13.6498	-6.3513	0.1279	1.0311	0.0596	0.1581	0.4280	-0.2699	-0.4653
123	49.92	-0.02	13.5482	-5.8722	0.2242	1.0981	0.0537	0.1544	0.4215	-0.2671	-0.4334
124	50.09	-0.01	13.5510	-5.6172	0.2214	1.2636	0.0537	0.1481	0.4205	-0.2724	-0.4145
125	50.26	-0.02	13.5834	-5.6137	0.1975	1.2420	0.0535	0.1403	0.4183	-0.2780	-0.4133
126	50.41	-0.01	13.5050	-5.3955	0.2059	1.4228	0.0582	0.1439	0.4135	-0.2696	-0.3995
127	50.61	-0.02	13.6527	-5.4506	0.1588	1.3909	0.0535	0.1375	0.4174	-0.2799	-0.3992
128	50.59	-0.03	13.6812	-5.3929	0.2461	1.2696	0.0539	0.1308	0.4145	-0.2837	-0.3942
129	50.94	-0.01	13.6927	-5.4931	0.2496	1.3548	0.0590	0.1256	0.4203	-0.2948	-0.4012
130	51.10	-0.03	13.8199	-5.5100	0.3810	1.1529	0.0434	0.1234	0.4139	-0.2906	-0.3987
131	51.26	0.00	13.7485	-5.2756	0.3721	0.9966	0.0387	0.1176	0.4111	-0.2936	-0.3826
132	51.43	-0.00	13.8159	-5.3724	0.3922	1.1459	0.0436	0.1177	0.4097	-0.2921	-0.3889
133	51.60	0.01	13.8673	-5.4652	0.4494	1.1215	0.0492	0.1095	0.4041	-0.2947	-0.3941
134	51.77	0.01	13.9196	-5.5309	0.4923	1.0470	0.0441	0.1044	0.4041	-0.2998	-0.3973
135	51.94	-0.00	14.0100	-5.0530	0.4079	0.5220	0.0305	0.0898	0.4018	-0.3120	-0.3607
136	52.11	-0.03	14.0812	-5.3748	0.3407	0.5849	0.0304	0.0971	0.4057	-0.3087	-0.3817
137	52.27	0.00	14.0170	-5.0228	0.4703	0.3455	0.0256	0.0825	0.4000	-0.3175	-0.3583
138	52.45	-0.01	14.1105	-5.1876	0.3567	0.4126	0.0258	0.0746	0.3967	-0.3221	-0.3676

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 1 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6											
7 175 1.10 1.7											
PHI CONF L DEL1 DEL2 DEL3 DEL4 TRANSITION											
0.0 B1W0F15 0.0 0 -10 0 -10 UNKNOWN											
POINT	ALPHA	BETA	CN	CLM	CY	CLN	CLL	CA	CAB	CAF	KCP
133	52.60	-0.01	14.0960	-5.0004	0.3095	0.4176	0.0315	0.0729	0.3993	-0.3204	-0.3547
140	52.76	-0.01	14.0577	-4.9766	0.3197	0.3690	0.0260	0.0706	0.4003	-0.3277	-0.3540
141	52.94	-0.02	14.1840	-5.1290	0.3091	0.3799	0.0374	0.0769	0.4009	-0.3240	-0.3616
142	53.11	-0.02	14.2978	-5.1835	0.2944	0.3152	0.0325	0.0722	0.4048	-0.3326	-0.3625
143	53.26	-0.01	14.1446	-5.0760	0.3293	0.3223	0.0319	0.0682	0.3994	-0.3312	-0.3589
144	53.43	-0.02	14.3156	-5.2522	0.2978	0.3828	0.0377	0.0563	0.4039	-0.3475	-0.3668
145	53.59	-0.02	14.2812	-5.2156	0.3188	0.3138	0.0323	0.0569	0.4045	-0.3476	-0.3652
146	53.74	-0.01	14.2319	-5.1897	0.4111	0.2769	0.0321	0.0546	0.4067	-0.3521	-0.3647
147	53.92	-0.03	14.3948	-5.3262	0.2348	0.2743	0.0329	0.0501	0.4090	-0.3589	-0.3701
148	54.06	-0.02	14.4115	-5.4162	0.3066	0.2873	0.0271	0.0394	0.4112	-0.3718	-0.3758
149	54.19	-0.03	14.2437	-5.1626	0.2746	0.3569	0.0376	0.0262	0.4073	-0.3811	-0.3624
150	54.35	-0.04	14.3032	-5.3063	0.1858	0.2419	0.0328	0.0343	0.4125	-0.3782	-0.3708
151	54.51	-0.06	14.3378	-5.3894	0.0970	0.3454	0.0326	0.0266	0.4154	-0.3886	-0.3759
152	54.73	-0.06	14.4531	-5.7580	0.0490	0.3301	0.0384	0.0453	0.4114	-0.0661	-0.3930
153	54.82	-0.04	14.3563	-5.4100	0.1698	0.3776	0.0324	0.0194	0.4133	-0.3939	-0.3768
154	54.97	-0.04	14.4455	-5.5791	0.1887	0.2907	0.0273	0.0173	0.4141	-0.3968	-0.3862
155	55.11	-0.06	14.3427	-5.4296	0.1118	0.4027	0.0323	0.0227	0.4077	-0.3850	-0.3786
156	55.28	-0.06	14.5790	-5.7166	0.1894	0.3302	0.0332	0.0206	0.4135	-0.3929	-0.3921
157	55.47	-0.13	14.4736	-5.7397	0.0671	0.2342	0.0353	0.0066	0.4072	-0.4006	-0.3966
158	55.58	-0.03	14.5623	-5.8033	0.4200	0.1446	0.0337	0.0072	0.4110	-0.4038	-0.3985
159	55.77	-0.07	14.7085	-5.8989	0.1305	0.0544	0.0290	0.0031	0.4121	-0.4090	-0.4011
160	55.93	-0.09	14.7134	-5.9181	-0.0709	0.0626	0.0294	-0.0070	0.4070	-0.4140	-0.4022
161	56.11	-0.09	14.9100	-5.9558	0.3625	0.1779	0.0340	-0.0018	0.4095	-0.4114	-0.4021
162	56.26	-0.10	14.7352	-6.0411	-0.1579	0.2243	0.0289	-0.0070	0.4205	-0.4275	-0.4100
163	56.42	-0.11	14.7001	-5.9717	-0.1338	0.2417	0.0343	-0.0219	0.4096	-0.4315	-0.4062
164	56.60	-0.12	15.0464	-6.2684	-0.1686	0.0359	0.0414	-0.0136	0.4249	-0.4385	-0.4166
165	56.76	-0.09	14.9849	-6.2332	0.0961	-0.4776	0.0365	-0.0235	0.4179	-0.4414	-0.4160
166	56.90	-0.08	15.0327	-6.1756	0.0375	-0.4629	0.0422	-0.0394	0.4217	-0.4411	-0.4108
167	57.03	-0.11	14.8462	-6.1646	-0.2341	-0.0411	0.0519	-0.0640	0.4134	-0.4774	-0.4152
168	57.20	-0.09	14.9375	-6.2292	0.0765	-0.4212	0.0417	-0.0767	0.4035	-0.4802	-0.4179
169	57.33	-0.09	14.7633	-6.1156	-0.0090	-0.2623	0.0410	-0.0613	0.4017	-0.4630	-0.4137
170	57.49	-0.10	14.9097	-6.3012	-0.1096	0.0289	0.0465	-0.0732	0.4029	-0.4761	-0.4226
171	57.62	-0.09	14.9197	-6.2941	0.0074	-0.1992	0.0413	-0.0664	0.4052	-0.4716	-0.4219
172	57.79	-0.10	15.1202	-6.5725	-0.1172	-0.0824	0.0416	-0.0724	0.4043	-0.4772	-0.4347
173	57.93	-0.06	14.9751	-6.4864	0.2451	-0.0635	0.0465	-0.0984	0.4062	-0.5046	-0.4331
174	58.07	-0.07	15.0807	-6.5413	0.1191	0.2869	0.0513	-0.1628	0.3952	-0.4980	-0.4338
175	58.21	-0.11	14.9302	-6.5238	-0.1577	0.0345	0.0407	-0.0882	0.4030	-0.4913	-0.4370
176	58.37	-0.07	15.1088	-6.7788	0.2217	0.4146	0.0505	-0.1349	0.4004	-0.5355	-0.4487
177	58.39	-0.09	14.8803	-6.2902	0.0107	0.2892	0.0511	-0.0825	0.3962	-0.4787	-0.4227
178	57.51	-0.11	14.8311	-6.0222	-0.1149	-0.3839	0.0412	-0.0741	0.4074	-0.4816	-0.4061

PAGE 2 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH 0X10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 175 1.10 1.7				0.0	810F15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	CB1	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
1	-5.72	-0.04	-0.0425	0.0020	0.0229	-0.0472	-0.5401	-0.7139	-0.0332	-0.3652	0.0464	0.5116
2	-5.73	-0.02	-0.0391	0.0017	0.0242	-0.0435	-0.6189	-0.7013	-0.0332	-0.3591	0.0473	0.5121
3	-5.72	-0.04	-0.0358	0.0026	0.0252	-0.0727	-0.7039	-0.7037	-0.0340	-0.3604	0.0483	0.5122
4	-5.72	-0.02	-0.0391	0.0019	0.0248	-0.0486	-0.6343	-0.7063	-0.0340	-0.3606	0.0481	0.5106
5	-5.20	-0.04	-0.0345	0.0029	0.0244	-0.0841	-0.7072	-0.6317	-0.0319	-0.3293	0.0504	0.5213
6	-3.28	-0.03	-0.0354	0.0019	0.0227	-0.0537	-0.6412	-0.5163	-0.0290	-0.2771	0.0563	0.5367
7	-1.48	-0.04	-0.0320	0.0021	0.0231	-0.0657	-0.7219	-0.3886	-0.0249	-0.2184	0.0642	0.5620
8	0.43	-0.03	-0.0306	0.0014	0.0221	-0.0458	-0.7222	-0.2722	-0.0217	-0.1596	0.0798	0.5862
9	2.32	-0.04	-0.0228	0.0022	0.0236	-0.0955	-1.0351	-0.1511	-0.0167	-0.1017	0.1107	0.6733
10	4.20	-0.02	-0.0308	0.0015	0.0231	-0.0487	-0.7500	-0.0399	-0.0078	-0.0597	0.1956	1.4937
11	6.12	-0.04	-0.0390	0.0012	0.0246	-0.0338	-0.6308	0.0532	0.0025	-0.0236	0.0528	-0.4444
12	8.05	-0.03	-0.0427	0.0005	0.0252	-0.0188	-0.5915	0.1217	0.0155	0.0120	0.1275	0.0987
13	9.92	-0.02	-0.0409	0.0013	0.0295	-0.0319	-0.7230	0.2082	0.0294	0.0499	0.1415	0.2395
14	11.88	-0.04	-0.0446	0.0005	0.0319	-0.0112	-0.7169	0.3152	0.0399	0.0952	0.1265	0.3021
15	13.83	-0.04	-0.0481	-0.0012	0.0328	0.0250	-0.6833	0.4276	0.0469	0.1459	0.1094	0.3411
16	15.84	-0.05	-0.0506	-0.0025	0.0353	0.0495	-0.6990	0.5427	0.0507	0.2047	0.0934	0.3771
17	17.87	-0.04	-0.0660	-0.0095	0.0337	0.1442	-0.5114	0.6331	0.0532	0.2437	0.0840	0.3849
18	19.85	-0.02	-0.0886	-0.0095	0.0185	0.1074	-0.2090	0.7266	0.0513	0.2837	0.0709	0.3905
19	21.88	-0.03	-0.0687	0.0020	0.0110	-0.0390	-0.1652	0.9192	0.0452	0.3237	0.0551	0.3951
20	23.92	-0.04	-0.0847	-0.0016	-0.0003	0.0199	0.0095	0.8907	0.0409	0.3517	0.0458	0.3949
21	25.94	-0.02	0.0997	0.0055	0.0856	0.0552	0.8564	0.9728	0.0322	0.3824	0.0331	0.3931
22	28.03	0.00	0.2528	0.0128	0.1612	0.0507	0.6376	1.0067	0.0258	0.3970	0.0257	0.3894
23	28.19	0.01	0.2092	0.0115	0.1377	0.0551	0.6582	1.0078	0.0249	0.3926	0.0267	0.3895
24	28.55	-0.01	0.1019	0.0072	0.0846	0.0708	0.8301	1.0051	0.0234	0.3890	0.0283	0.3870
25	28.82	0.02	0.2103	0.0114	0.1409	0.0543	0.6700	1.0259	0.0251	0.3969	0.0245	0.3869
26	29.13	0.00	0.1526	0.0085	0.1101	0.0558	0.7218	1.0317	0.0257	0.3982	0.0250	0.3860
27	29.46	0.00	0.1430	0.0076	0.1040	0.0532	0.7276	1.0344	0.0250	0.3999	0.0242	0.3856
28	29.74	0.03	0.1582	0.0052	0.1163	0.0329	0.7354	1.0335	0.0230	0.3950	0.0273	0.3822
29	30.03	0.03	0.2439	0.0091	0.1577	0.0374	0.6466	1.0640	0.0219	0.4072	0.0206	0.3827
30	30.31	0.03	0.2492	0.0078	0.1615	0.0315	0.6507	1.0452	0.0205	0.3989	0.0199	0.3816
31	30.58	0.03	0.2439	0.0069	0.1594	0.0293	0.6535	1.0592	0.0211	0.4032	0.0200	0.3807
32	30.86	0.01	0.1837	0.0010	0.1398	0.0055	0.7608	1.0643	0.0216	0.4026	0.0203	0.3783
33	31.16	0.01	0.1489	-0.0007	0.1204	-0.0047	0.8090	1.0642	0.0225	0.4006	0.0212	0.3764
34	31.43	0.02	0.1737	-0.0002	0.1311	-0.0012	0.7566	1.0644	0.0216	0.4001	0.0203	0.3759
35	31.70	-0.00	0.0599	-0.0032	0.0770	-0.0535	1.2840	1.0642	0.0237	0.3990	0.0223	0.3749
36	31.97	-0.00	0.0584	-0.0033	0.0798	-0.0566	1.3671	1.0748	0.0231	0.4017	0.0215	0.3737
37	32.23	0.01	0.0756	-0.0013	0.0898	-0.0172	1.1881	1.0812	0.0225	0.4047	0.0208	0.3743
38	32.51	-0.00	0.0746	-0.0014	0.0892	-0.0198	1.1960	1.0927	0.0224	0.4052	0.0205	0.3738
39	32.77	-0.01	0.0911	-0.0004	0.0960	-0.0044	1.0538	1.1072	0.0221	0.4127	0.0200	0.3728
40	33.04	-0.03	0.0087	-0.0029	0.0551	-0.3335	6.3218	1.1099	0.0234	0.4127	0.0211	0.3719
41	33.29	0.00	0.0921	-0.0026	0.0977	-0.0253	1.0609	1.1228	0.0216	0.4177	0.0193	0.3720
42	33.54	0.00	0.0696	-0.0039	0.0921	-0.0561	1.3237	1.1320	0.0219	0.4208	0.0194	0.3717
43	33.81	0.00	0.0703	-0.0025	0.0854	-0.0356	1.2151	1.1397	0.0215	0.4229	0.0189	0.3711
44	34.06	-0.01	0.0600	-0.0004	0.0816	-0.0067	1.3606	1.1578	0.0214	0.4297	0.0185	0.3712
45	34.30	0.01	0.1034	-0.0005	0.1074	-0.0048	1.0387	1.1580	0.0201	0.4287	0.0174	0.3702
46	34.57	-0.01	0.0729	-0.0014	0.0912	-0.0192	1.2514	1.1655	0.0208	0.4319	0.0179	0.3706

PAGE 2 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH NX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 175 1.10 1.7				0.0	81WOF15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF1	CHI	CBI	XCPF1	YCPF1	CNF2	CH2	CB2	XCPF2	YCPF2
47	34.83	-0.01	0.0270	-0.0025	0.0669	-0.0926	2.4741	1.1780	0.0713	0.4375	0.0179	0.3714
48	35.04	0.01	0.1253	-0.0005	0.1186	-0.0040	0.9472	1.1660	0.0194	0.4326	0.0167	0.3710
49	35.31	-0.02	0.0374	-0.0002	0.0747	-0.0053	1.9947	1.1721	0.0208	0.4337	0.0178	0.3700
50	35.57	-0.01	0.0458	0.0001	0.0831	0.0022	1.3162	1.1798	0.0200	0.4363	0.0170	0.3698
51	35.82	-0.01	0.0737	0.0013	0.0916	0.0177	1.2432	1.1826	0.0187	0.4385	0.0158	0.3708
52	36.05	-0.03	0.0220	0.0010	0.0673	0.0455	3.0545	1.1850	0.0197	0.4392	0.0167	0.3707
53	36.30	-0.02	0.0560	0.0022	0.0835	0.0394	1.4919	1.1553	0.0182	0.4376	0.0154	0.3692
54	36.54	-0.02	0.0785	0.0032	0.0983	0.0408	1.2526	1.1892	0.0167	0.4394	0.0141	0.3695
55	36.78	-0.04	0.0179	0.0022	0.0616	0.1230	3.4358	1.1981	0.0168	0.4427	0.0140	0.3695
56	37.02	-0.02	0.0647	0.0043	0.0866	0.0666	1.3390	1.1958	0.0149	0.4424	0.0125	0.3700
57	37.27	-0.03	0.0335	0.0038	0.0660	0.1135	1.9672	1.2160	0.0153	0.4492	0.0126	0.3694
58	37.51	-0.02	0.0506	0.0061	0.0770	0.1208	1.5228	1.2110	0.0141	0.4484	0.0117	0.3706
59	37.76	-0.03	0.0268	0.0055	0.0631	0.2053	2.3507	1.2213	0.0147	0.4506	0.0121	0.3689
60	37.99	-0.03	0.0502	0.0066	0.0711	0.1318	1.4172	1.2229	0.0150	0.4504	0.0123	0.3683
61	38.21	-0.03	0.0198	0.0048	0.0533	0.2425	2.6969	1.2355	0.0142	0.4555	0.0120	0.3686
62	38.46	-0.05	0.0460	0.0081	0.0664	0.1765	1.4444	1.2370	0.0141	0.4541	0.0114	0.3671
63	38.68	-0.04	0.0146	0.0034	0.0501	0.2330	3.4247	1.2394	0.0150	0.4549	0.0121	0.3670
64	38.96	-0.03	0.0361	0.0062	0.0617	0.1718	1.7064	1.2407	0.0148	0.4549	0.0119	0.3666
65	39.18	-0.05	0.0384	0.0062	0.0619	0.1615	1.6094	1.2520	0.0159	0.4575	0.0127	0.3654
66	39.42	-0.04	-0.0054	0.0016	0.0338	-0.2964	-6.2593	1.2605	0.0185	0.4588	0.0149	0.3639
67	39.64	-0.04	0.0017	0.0021	0.0416	1.2358	24.4118	1.2619	0.0180	0.4594	0.0143	0.3648
68	39.83	-0.04	-0.0024	-0.0006	0.0397	0.2501	-16.5417	1.2618	0.0187	0.4579	0.0148	0.3629
69	40.05	-0.02	-0.0013	0.0007	0.0385	-0.5387	-29.6154	1.2784	0.0184	0.4633	0.0144	0.3624
70	40.25	-0.05	-0.0110	0.0002	0.0330	-0.0182	-3.0000	1.2820	0.0207	0.4623	0.0162	0.3606
71	40.46	-0.05	-0.0103	0.0006	0.0272	-0.0533	-2.6408	1.3048	0.0221	0.4717	0.0170	0.3615
72	40.66	-0.03	-0.0183	-0.0033	0.0283	0.1804	-1.5464	1.2873	0.0212	0.4647	0.0165	0.3610
73	40.88	-0.05	-0.0160	-0.0021	0.0282	0.1313	-1.7625	1.3050	0.0216	0.4702	0.0166	0.3603
74	41.09	-0.04	-0.0202	-0.0027	0.0242	0.1337	-1.1989	1.3086	0.0227	0.4716	0.0174	0.3604
75	41.28	-0.04	-0.0402	-0.0050	0.0179	0.1244	-0.4453	1.3023	0.0251	0.4666	0.0193	0.3583
76	41.51	-0.02	-0.0295	-0.0024	0.0149	0.0814	-0.5051	1.3276	0.0251	0.4773	0.0189	0.3595
77	41.70	-0.04	-0.0285	-0.0029	0.0164	0.1018	-0.5754	1.3275	0.0267	0.4753	0.0201	0.3580
78	41.90	-0.04	-0.0475	-0.0068	0.0114	0.1435	-0.2405	1.3341	0.0249	0.4763	0.0187	0.3570
79	42.10	-0.05	-0.0496	-0.0066	0.0097	0.1334	-0.1960	1.3378	0.0258	0.4732	0.0193	0.3574
80	42.29	-0.07	-0.0439	-0.0058	0.0099	0.1325	-0.2260	1.3470	0.0268	0.4815	0.0199	0.3575
81	42.49	-0.05	-0.0416	-0.0059	0.0102	0.1422	-0.2458	1.3495	0.0273	0.4817	0.0203	0.3576
82	42.68	-0.06	-0.0394	-0.0045	0.0106	0.1143	-0.2690	1.3416	0.0295	0.4751	0.0220	0.3541
83	42.86	-0.07	-0.0278	-0.0036	0.0105	0.1295	-0.3777	1.3519	0.0296	0.4770	0.0219	0.3528
84	43.06	-0.06	-0.0117	-0.0004	0.0196	0.0342	-1.6752	1.3438	0.0283	0.4695	0.0211	0.3494
85	43.22	-0.06	-0.0809	-0.0160	-0.0104	0.1238	0.1287	1.3446	0.0299	0.4710	0.0223	0.3503
86	43.39	-0.05	-0.0299	-0.0025	0.0074	0.0836	-0.2475	1.3426	0.0262	0.4666	0.0195	0.3475
87	43.59	-0.05	-0.0201	0.0016	0.0203	0.7622	9.6667	1.3440	0.0260	0.4662	0.0194	0.3469
88	43.77	-0.06	-0.0506	-0.0059	0.0063	0.1169	-0.1248	1.3601	0.0281	0.4752	0.0207	0.3494
89	43.96	-0.06	-0.0300	-0.0027	0.0084	0.0900	-0.2800	1.3530	0.0259	0.4684	0.0192	0.3462
90	44.12	-0.04	0.0301	0.0039	0.0286	0.1296	0.9502	1.3375	0.0213	0.4597	0.0160	0.3437
91	44.30	-0.06	-0.0111	0.0002	0.0143	-0.0190	-1.2983	1.3474	0.0233	0.4637	0.0173	0.3441
92	44.50	-0.06	0.0334	0.0052	0.0242	0.1558	0.8743	1.3455	0.0195	0.4618	0.0145	0.3432

PAGE 2 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART		MACH	RX10-6	PH1	CONF	L	DEL1	DFL2	DEL3	DEL4	TRANSITION	
7		175	1.10	1.7	0.0	81W0F15	0.0	0	-10	0	-10 UNKNOWN	
POINT	ALPHA	BETA	CNF1	CH1	C81	KCPF1	YCPF1	CNF2	CH2	C82	KCPF2	YCPF2
93	44.68	-0.07	-0.0299	-0.0026	0.0069	0.0870	-0.2308	1.3677	0.0235	0.4720	0.0172	0.3451
94	44.86	-0.07	-0.0332	-0.0023	0.0051	0.0693	-0.1536	1.3489	0.0213	0.4635	0.0158	0.3436
95	45.05	-0.06	0.0397	0.0057	0.0354	0.1436	0.8917	1.3393	0.0167	0.4563	0.0125	0.3407
96	45.23	-0.06	0.0577	0.0085	0.0408	0.1476	0.7066	1.3159	0.0147	0.4439	0.0112	0.3374
97	45.40	-0.04	0.0703	0.0097	0.0523	0.1382	0.7436	1.3122	0.0141	0.4420	0.0108	0.3369
98	45.59	-0.08	-0.1180	-0.0131	-0.0332	0.1112	0.2816	1.3406	0.0198	0.4565	0.0148	0.3405
99	45.77	-0.07	-0.0359	-0.0032	-0.0017	0.0892	0.0474	1.3330	0.0192	0.4533	0.0144	0.3400
100	45.95	-0.06	-0.0854	-0.0078	-0.0161	0.0915	0.1887	1.3129	0.0177	0.4428	0.0135	0.3373
101	46.11	-0.08	-0.1169	-0.0122	-0.0335	0.1045	0.2868	1.3202	0.0196	0.4487	0.0149	0.3398
102	46.29	-0.05	-0.0144	0.0010	0.0111	-0.0695	-0.7708	1.3112	0.0134	0.4405	0.0102	0.3360
103	46.47	-0.06	-0.0797	-0.0081	-0.0156	0.1018	0.1960	1.3211	0.0144	0.4475	0.0109	0.3388
104	46.65	-0.07	-0.1323	-0.0150	-0.0427	0.1136	0.3225	1.2982	0.0143	0.4380	0.0110	0.3374
105	46.81	-0.07	-0.1409	-0.0203	-0.0458	0.1443	0.3248	1.3039	0.0132	0.4376	0.0102	0.3364
106	46.99	-0.06	-0.1454	-0.0224	-0.0456	0.1543	0.3134	1.2848	0.0103	0.4305	0.0080	0.3351
107	47.17	-0.07	-0.1471	-0.0264	-0.0468	0.1798	0.3179	1.2942	0.0080	0.4330	0.0062	0.3361
108	47.35	-0.08	-0.1094	-0.0222	-0.0306	0.2032	0.2800	1.2780	0.0059	0.4269	0.0046	0.3341
109	47.50	-0.06	-0.1033	-0.0255	-0.0299	0.2472	0.2897	1.2490	0.0043	0.4149	0.0034	0.3322
110	47.67	-0.07	-0.0858	-0.0226	-0.0217	0.2638	0.2532	1.2339	0.0037	0.4070	0.0030	0.3298
111	47.87	-0.06	-0.0149	-0.0161	0.0087	1.0810	-0.5839	1.1542	-0.0004	0.3731	-0.0003	0.3232
112	48.04	-0.06	-0.0241	-0.0116	0.0043	0.4815	-0.1784	1.1159	-0.0007	0.3601	-0.0006	0.3227
113	48.19	-0.07	-0.0164	-0.0120	0.0086	0.7320	-0.5244	1.1223	-0.0011	0.3632	-0.0010	0.3237
114	48.38	-0.07	-0.0066	-0.0060	0.0105	0.9095	-1.5909	1.1119	-0.0001	0.3603	-0.0001	0.3241
115	48.55	-0.06	-0.0114	-0.0042	0.0102	0.3624	-0.8947	1.0965	0.0003	0.3540	0.0003	0.3229
116	48.70	-0.05	0.0050	-0.0029	0.0186	-0.5802	3.7200	1.0991	-0.0002	0.3552	-0.0002	0.3232
117	48.89	-0.05	0.0141	-0.0011	0.0203	-0.0780	1.4397	1.1043	-0.0007	0.3595	-0.0006	0.3256
118	49.04	-0.05	0.0016	0.0022	0.0145	1.3755	9.0625	1.0695	0.0023	0.3435	0.0022	0.3212
119	49.20	-0.05	-0.0028	0.0017	0.0119	-0.6074	-4.2500	1.0341	0.0028	0.3381	0.0027	0.3208
120	49.38	-0.03	-0.0193	0.0022	0.0028	-0.1140	-0.1451	1.0411	0.0037	0.3351	0.0036	0.3219
121	49.56	-0.05	-0.0095	0.0033	0.0079	-0.3475	-0.8316	1.0578	0.0028	0.3415	0.0027	0.3229
122	49.75	-0.03	-0.0140	0.0032	0.0065	-0.2257	-0.9643	1.0642	0.0024	0.3446	0.0023	0.3238
123	49.92	-0.02	-0.0263	0.0026	0.0016	-0.0999	-0.0508	1.0269	0.0052	0.3289	0.0051	0.3203
124	50.09	-0.01	-0.0477	0.0008	-0.0054	-0.0168	0.1134	1.0018	0.0067	0.3279	0.0067	0.3203
125	50.26	-0.02	-0.0298	0.0022	0.0021	-0.0739	-0.0705	1.0303	0.0050	0.3319	0.0049	0.3222
126	50.41	-0.01	-0.0446	0.0008	-0.0031	-0.0180	0.0697	1.0037	0.0071	0.3241	0.0071	0.3229
127	50.61	-0.02	-0.0503	0.0015	-0.0051	-0.0299	0.1016	1.0124	0.0065	0.3266	0.0064	0.3226
128	50.79	-0.03	-0.0448	0.0008	-0.0016	-0.0179	0.0358	1.0111	0.0061	0.3280	0.0060	0.3244
129	50.94	-0.01	-0.0504	0.0010	-0.0042	-0.0199	0.0335	1.0085	0.0063	0.3267	0.0063	0.3239
130	51.10	-0.00	-0.0391	0.0010	0.0005	-0.0256	-0.0128	1.0189	0.0055	0.3306	0.0054	0.3245
131	51.26	0.00	-0.0235	0.0016	0.0073	-0.0681	-0.1106	1.0176	0.0055	0.3293	0.0054	0.3236
132	51.43	-0.00	-0.0235	0.0015	0.0078	-0.0639	-0.1319	1.0274	0.0050	0.3359	0.0049	0.3270
133	51.60	0.01	-0.0381	0.0006	0.0021	-0.0158	-0.0551	1.0145	0.0056	0.3298	0.0055	0.3251
134	51.77	0.01	-0.0041	0.0026	0.0125	-0.6344	-3.0488	1.0366	0.0032	0.3402	0.0031	0.3242
135	51.94	-0.00	0.0448	0.0024	0.0292	0.0537	0.6532	1.0665	0.0015	0.3486	0.0014	0.3269
136	52.11	-0.00	0.0285	0.0037	0.0257	0.1299	0.9018	1.0639	0.0016	0.3489	0.0015	0.3280
137	52.27	0.00	0.0443	0.0015	0.0305	0.0311	0.6128	1.0777	0.0011	0.3548	0.0010	0.3292
138	52.45	-0.01	0.0452	0.0018	0.0272	0.0399	0.6031	1.0751	0.0012	0.3541	0.0011	0.3294

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 2 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

POINT	ALPHA	BETA	CNF1	CHI	CBI	XCPF1	YCPF1	CNF2	CH2	CH2	XCPF2	YCPF2
139	52.60	-0.01	0.0417	0.0006	0.0277	0.0144	0.6659	1.0672	0.0026	0.3520	0.0024	0.3299
140	52.76	-0.01	0.0359	0.0012	0.0251	0.0334	0.6992	1.0713	0.0022	0.3527	0.0021	0.3286
141	52.94	-0.02	0.0279	0.0012	0.0233	0.0430	0.5351	1.0832	0.0022	0.3592	0.0020	0.3316
142	53.11	-0.02	0.0138	0.0014	0.0240	0.0414	0.7101	1.0893	0.0021	0.3615	0.0019	0.3319
143	53.26	-0.01	0.0327	0.0010	0.0233	0.0306	0.7125	1.0893	0.0024	0.3610	0.0022	0.3314
144	53.43	-0.02	0.0293	0.0010	0.0225	0.0341	0.7679	1.0941	0.0026	0.3641	0.0024	0.3328
145	53.59	-0.02	0.0260	0.0008	0.0206	0.0308	0.7923	1.0873	0.0027	0.3611	0.0025	0.3321
146	53.74	-0.01	0.0328	0.0003	0.0243	0.0091	0.7409	1.0886	0.0025	0.3623	0.0023	0.3328
147	53.92	-0.03	0.0169	0.0006	0.0176	0.0355	1.0414	1.0896	0.0029	0.3624	0.0027	0.3326
148	54.06	-0.02	0.0216	0.0010	0.0182	0.0463	0.8426	1.1038	0.0020	0.3670	0.0018	0.3325
149	54.19	-0.03	0.0259	0.0	0.0226	0.0	0.9726	1.0906	0.0027	0.3607	0.0025	0.3308
150	54.35	-0.04	0.0123	0.0005	0.0172	0.0407	1.3984	1.1035	0.0019	0.3676	0.0017	0.3331
151	54.51	-0.06	0.0193	0.0001	0.0189	0.0052	0.9793	1.1097	0.0013	0.3714	0.0012	0.3347
152	55.23	-0.06	0.0354	0.0009	0.0140	0.1667	2.5926	1.1045	0.0015	0.3684	0.0014	0.3335
153	54.82	-0.04	0.0193	0.0005	0.0159	0.0530	1.5900	1.1108	0.0015	0.3702	0.0014	0.3332
154	54.97	-0.04	0.0168	0.0001	0.0197	0.0060	1.1726	1.1174	0.0011	0.3732	0.0010	0.3340
155	55.11	-0.06	0.0042	0.0006	0.0143	0.1429	3.4048	1.1057	0.0013	0.3691	0.0012	0.3329
156	55.28	-0.06	0.0019	0.0011	0.0138	0.6114	7.6667	1.1172	0.0005	0.3724	0.0004	0.3333
157	55.47	0.13	0.0005	0.0010	0.0150	2.0008	30.0000	1.1212	0.0	0.3742	0.0	0.3337
158	55.58	-0.73	0.0030	0.0018	0.0138	0.6002	4.6000	1.1279	-0.0005	0.3783	-0.0004	0.3354
159	55.77	-0.07	0.0020	0.0012	0.0153	0.6002	7.6500	1.1266	-0.0005	0.3771	-0.0004	0.3347
160	55.93	-0.09	0.0065	0.0014	0.0128	0.2155	1.9692	1.1230	-0.0007	0.3760	-0.0006	0.3348
161	56.11	-0.05	0.0100	0.0011	0.0119	0.1100	1.1900	1.1243	-0.0009	0.3766	-0.0008	0.3349
162	56.26	-0.10	0.0100	0.0019	0.0115	0.1901	1.1500	1.1269	-0.0015	0.3800	-0.0013	0.3372
163	56.42	-0.11	0.0101	0.0021	0.0125	0.2080	1.2376	1.1335	-0.0020	0.3820	-0.0018	0.3378
164	56.60	-0.10	0.0264	0.0019	0.0077	0.0720	0.2917	1.1428	-0.0030	0.3859	-0.0026	0.3377
165	56.76	-0.08	0.0312	0.0030	0.0073	0.0962	0.2340	1.1480	-0.0032	0.3884	-0.0028	0.3383
166	56.90	-0.08	0.0290	0.0029	0.0086	0.1000	0.2766	1.1322	-0.0027	0.3810	-0.0024	0.3365
167	57.03	-0.11	0.0349	0.0032	0.0070	0.0917	0.2006	1.1230	-0.0024	0.3765	-0.0021	0.3352
168	57.20	-0.08	0.0304	0.0039	0.0091	0.1281	0.2993	1.1280	-0.0021	0.3778	-0.0019	0.3349
169	57.33	-0.09	0.0411	0.0033	0.0069	0.0805	0.1681	1.1238	-0.0026	0.3766	-0.0023	0.3351
170	57.49	-0.10	0.0364	0.0034	0.0095	0.0934	0.2335	1.1331	-0.0032	0.3835	-0.0028	0.3384
171	57.62	-0.09	0.0364	0.0030	0.0089	0.0825	0.2445	1.1371	-0.0036	0.3838	-0.0032	0.3375
172	57.79	-0.10	0.0329	0.0031	0.0095	0.0943	0.2979	1.1490	-0.0045	0.3905	-0.0039	0.3398
173	57.93	-0.06	0.0377	0.0033	0.0093	0.0876	0.2467	1.1332	-0.0038	0.3824	-0.0034	0.3374
174	58.07	-0.07	0.0495	0.0024	0.0069	0.0496	0.1397	1.1239	-0.0035	0.3795	-0.0031	0.3376
175	58.21	-0.11	0.0427	0.0030	0.0093	0.0705	0.2183	1.1396	-0.0045	0.3868	-0.0040	0.3385
176	58.37	-0.07	0.0392	0.0017	0.0116	0.0434	0.2959	1.1500	-0.0050	0.3904	-0.0044	0.3395
177	58.39	-0.09	0.0465	0.0020	0.0103	0.0411	0.2220	1.1312	-0.0038	0.3823	-0.0034	0.3379
178	57.51	-0.11	0.0442	0.0032	0.0098	0.0726	0.2222	1.1200	-0.0019	0.3777	-0.0017	0.3372

PAGE 3 OF 3
SHEET 1 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH RX10-6				PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION	
7 175 1.10 1.7				0.0	81W0F15	0.0	0	-10	0	-10	UNKNOWN	
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
1	-5.72	-0.04	0.0614	9.9999	-0.0011	9.9999	-0.0179	-0.7891	-0.0345	-0.3557	0.0437	0.4509
2	-5.73	-0.02	0.0613	9.9999	-0.0006	9.9999	-0.0298	-0.7799	-0.0343	-0.3516	0.0442	0.4509
3	-5.72	-0.04	0.0601	9.9999	-0.0003	9.9999	-0.0050	-0.7902	-0.0348	-0.3553	0.0440	0.4510
4	-5.72	-0.02	0.0625	9.9999	-0.0005	9.9999	-0.0080	-0.7836	-0.0345	-0.3529	0.0440	0.4503
5	-5.20	-0.04	0.0577	9.9999	0.0009	9.9999	0.0156	-0.7146	-0.0326	-0.3240	0.0456	0.4534
6	-3.28	-0.03	0.0517	9.9999	0.0023	9.9999	0.0446	-0.5898	-0.0303	-0.2703	0.0515	0.4583
7	-1.48	-0.04	0.0541	9.9999	0.0015	9.9999	0.0278	-0.4668	-0.0269	-0.2128	0.0577	0.4558
8	0.43	-0.03	0.0588	9.9999	0.0019	9.9999	0.0324	-0.3351	-0.0225	-0.1500	0.0676	0.4476
9	2.32	-0.04	0.0636	9.9999	0.0	9.9999	0.0	-0.2291	-0.0166	-0.0985	0.0726	0.4301
10	4.20	-0.02	0.0614	9.9999	-0.0034	9.9999	-0.0555	-0.1155	-0.0075	-0.0466	0.0650	0.4029
11	6.12	-0.04	0.0638	9.9999	-0.0050	9.9999	-0.0785	-0.0164	0.0039	-0.0103	-0.2379	0.6280
12	8.05	-0.03	0.0628	9.9999	-0.0069	9.9999	-0.1100	0.0554	0.0176	0.0233	0.3184	0.4213
13	9.42	-0.02	0.0652	9.9999	-0.0081	9.9999	-0.1244	0.1470	0.0318	0.0673	0.2160	0.4578
14	11.68	-0.04	0.0676	9.9999	-0.0084	9.9999	-0.1244	0.2484	0.0422	0.1245	0.1698	0.5010
15	13.83	-0.04	0.0687	9.9999	-0.0069	9.9999	-0.1006	0.3734	0.0476	0.1869	0.1274	0.5007
16	15.84	-0.05	0.0595	9.9999	-0.0104	9.9999	-0.1751	0.5076	0.0498	0.2516	0.0981	0.4957
17	17.87	-0.04	0.0663	9.9999	-0.0057	9.9999	-0.0861	0.6396	0.0498	0.3004	0.0818	0.4933
18	19.95	-0.02	0.0639	9.9999	-0.0041	9.9999	-0.0643	0.6756	0.0474	0.3331	0.0701	0.4929
19	21.98	-0.03	0.0663	9.9999	-0.0034	9.9999	-0.0589	0.7120	0.0451	0.3488	0.0633	0.4899
20	23.92	-0.04	0.0546	9.9999	-0.0058	9.9999	-0.1064	0.7725	0.0399	0.3768	0.0516	0.4577
21	25.94	-0.02	0.0753	9.9999	0.0046	9.9999	0.0612	0.8171	0.0400	0.3942	0.0489	0.4824
22	28.03	0.00	0.0764	9.9999	0.0045	9.9999	0.0952	0.9252	0.0395	0.3967	0.0478	0.4807
23	28.19	0.01	0.0730	9.9999	0.0049	9.9999	0.0672	0.8335	0.0388	0.4010	0.0465	0.4811
24	28.55	-0.01	0.0729	9.9999	0.0042	9.9999	0.0852	0.8628	0.0353	0.4128	0.0409	0.4785
25	28.87	0.02	0.0822	9.9999	0.0106	9.9999	0.1291	0.9630	0.0371	0.4140	0.0429	0.4798
26	29.13	0.00	0.0638	9.9999	0.0018	9.9999	0.0283	0.8762	0.0358	0.4190	0.0408	0.4782
27	29.46	0.00	0.0719	9.9999	0.0057	9.9999	0.0794	0.8925	0.0349	0.4273	0.0391	0.4788
28	29.74	0.03	0.0882	9.9999	0.0130	9.9999	0.1476	0.9212	0.0349	0.4386	0.0378	0.4761
29	30.03	0.03	0.0674	9.9999	0.0030	9.9999	0.0446	0.9116	0.0358	0.4351	0.0392	0.4773
30	30.31	0.03	0.0846	9.9999	0.0127	9.9999	0.1503	0.9211	0.0351	0.4382	0.0381	0.4758
31	30.58	0.03	0.0778	9.9999	0.0085	9.9999	0.1094	0.9372	0.0348	0.4451	0.0371	0.4750
32	30.86	0.01	0.0743	9.9999	0.0068	9.9999	0.0316	0.9822	0.0317	0.4632	0.0322	0.4716
33	31.16	0.01	0.0708	9.9999	0.0047	9.9999	0.0665	0.9903	0.0311	0.4646	0.0314	0.4691
34	31.43	0.02	0.0743	9.9999	0.0073	9.9999	0.0984	0.9996	0.0309	0.4672	0.0309	0.4673
35	31.70	-0.03	0.0731	9.9999	0.0076	9.9999	0.1041	1.0241	0.0292	0.4746	0.0286	0.4634
36	31.97	-0.03	0.0603	9.9999	0.0025	9.9999	0.0415	1.0246	0.0290	0.4733	0.0284	0.4619
37	32.23	0.01	0.0661	9.9999	0.0052	9.9999	0.0789	1.0260	0.0289	0.4724	0.0282	0.4604
38	32.51	-0.00	0.0681	9.9999	0.0082	9.9999	0.1202	1.0366	0.0285	0.4741	0.0275	0.4574
39	32.77	-0.01	0.0568	9.9999	0.0008	9.9999	0.0141	1.0430	0.0285	0.4753	0.0274	0.4554
40	33.04	-0.03	0.0601	9.9999	0.0052	9.9999	0.0667	1.0563	0.0277	0.4777	0.0263	0.4522
41	33.29	0.00	0.0660	9.9999	0.0061	9.9999	0.0926	1.0732	0.0280	0.4819	0.0261	0.4490
42	33.54	0.00	0.0578	9.9999	0.0037	9.9999	0.0641	1.0840	0.0281	0.4834	0.0260	0.4459
43	33.81	0.00	0.0531	9.9999	0.0028	9.9999	0.0528	1.0822	0.0290	0.4805	0.0268	0.4449
44	34.06	-0.01	0.0554	9.9999	0.0030	9.9999	0.0542	1.0877	0.0293	0.4811	0.0270	0.4423
45	34.30	0.01	0.0705	9.9999	0.0083	9.9999	0.1179	1.1052	0.0312	0.4831	0.0282	0.4371
46	34.57	-0.01	0.0542	9.9999	0.0034	9.9999	0.0625	1.1076	0.0314	0.4819	0.0283	0.4351

PAGE 3 OF 3
SHEET 2 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART MACH RX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7	175	1.10 1.7	0.0	81W0F15	0.0	0	-10	0	-10	UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	KCPF3	VCPF3	CNF4	CH4	CDA	KCPF4	VCPF4
47	34.41	-0.01	0.0542	9.9999	0.0034	9.9999	0.0628	1.1165	0.0320	0.4821	0.0286	0.4318
48	35.04	0.01	0.0518	9.9999	0.0023	9.9999	0.0445	1.1016	0.0334	0.4702	0.0303	0.4268
49	35.31	-0.02	0.0633	9.9999	0.0082	9.9999	0.1297	1.1254	0.0130	0.4806	0.0293	0.4270
50	35.57	-0.01	0.0518	9.9999	0.0041	9.9999	0.0793	1.1241	0.0328	0.4766	0.0291	0.4240
51	35.82	-0.01	0.0599	9.9999	0.0066	9.9999	0.1104	1.1185	0.0334	0.4695	0.0298	0.4197
52	36.05	-0.03	0.0483	9.9999	0.0029	9.9999	0.0602	1.1185	0.0335	0.4715	0.0299	0.4215
53	36.10	-0.02	0.0552	9.9999	0.0067	9.9999	0.1216	1.1155	0.0341	0.4665	0.0305	0.4182
54	36.54	-0.02	0.0494	9.9999	0.0030	9.9999	0.0609	1.1058	0.0322	0.4577	0.0291	0.4139
55	36.78	-0.04	0.0656	9.9999	0.0098	9.9999	0.1496	1.1245	0.0343	0.4696	0.0305	0.4176
56	37.02	-0.02	0.0586	9.9999	0.0078	9.9999	0.1333	1.1226	0.0328	0.4648	0.0292	0.4140
57	37.27	-0.03	0.0506	9.9999	0.0045	9.9999	0.0891	1.1198	0.0334	0.4681	0.0298	0.4180
58	37.51	-0.02	0.0598	9.9999	0.0075	9.9999	0.1256	1.1205	0.0341	0.4625	0.0304	0.4127
59	37.76	-0.03	0.0622	9.9999	0.0095	9.9999	0.1530	1.1269	0.0348	0.4674	0.0308	0.4147
60	37.99	-0.03	0.0471	9.9999	0.0024	9.9999	0.0511	1.1133	0.0338	0.4606	0.0303	0.4137
61	38.21	-0.03	0.0621	9.9999	0.0100	9.9999	0.1613	1.1305	0.0364	0.4720	0.0322	0.4175
62	38.46	-0.05	0.0574	9.9999	0.0087	9.9999	0.1518	1.1189	0.0329	0.4579	0.0294	0.4092
63	38.68	-0.04	0.0621	9.9999	0.0109	9.9999	0.1759	1.1285	0.0348	0.4657	0.0308	0.4127
64	38.96	-0.03	0.0563	9.9999	0.0077	9.9999	0.1370	1.1149	0.0303	0.4553	0.0272	0.4084
65	39.18	-0.05	0.0354	9.9999	0.0001	9.9999	0.0029	1.1061	0.0322	0.4530	0.0291	0.4095
66	39.42	-0.04	0.0632	9.9999	0.0114	9.9999	0.1807	1.1375	0.0326	0.4690	0.0286	0.4123
67	39.64	-0.04	0.0482	9.9999	0.0052	9.9999	0.1091	1.1269	0.0328	0.4624	0.0291	0.4103
68	39.83	-0.04	0.0494	9.9999	0.0053	9.9999	0.1075	1.1162	0.0330	0.4563	0.0295	0.4088
69	40.05	-0.02	0.0516	9.9999	0.0073	9.9999	0.1417	1.1248	0.0315	0.4596	0.0280	0.4086
70	40.25	-0.05	0.0516	9.9999	0.0068	9.9999	0.1320	1.1373	0.0320	0.4680	0.0290	0.4115
71	40.46	-0.05	0.0436	9.9999	0.0034	9.9999	0.0782	1.1572	0.0355	0.4796	0.0306	0.4144
72	40.66	-0.03	0.0621	9.9999	0.0109	9.9999	0.1758	1.1351	0.0293	0.4644	0.0259	0.4091
73	40.98	-0.05	0.0563	9.9999	0.0086	9.9999	0.1530	1.1323	0.0271	0.4623	0.0240	0.4083
74	41.09	-0.04	0.0517	9.9999	0.0078	9.9999	0.1512	1.1493	0.0328	0.4713	0.0285	0.4101
75	41.28	-0.04	0.0320	9.9999	-0.0016	9.9999	-0.0500	1.1198	0.0258	0.4558	0.0231	0.4070
76	41.51	-0.02	0.0505	9.9999	0.0077	9.9999	0.1528	1.1800	0.0320	0.4861	0.0271	0.4119
77	41.70	-0.04	0.0425	9.9999	0.0038	9.9999	0.0496	1.1740	0.0334	0.4834	0.0284	0.4117
78	41.90	-0.04	0.0551	9.9999	0.0103	9.9999	0.1873	1.1709	0.0289	0.4785	0.0247	0.4087
79	42.10	-0.05	0.0459	9.9999	0.0059	9.9999	0.1288	1.1580	0.0284	0.4717	0.0246	0.4073
80	42.29	-0.07	0.0400	9.9999	0.0050	9.9999	0.1250	1.1689	0.0330	0.4678	0.0277	0.4103
81	42.49	-0.05	0.0448	9.9999	0.0049	9.9999	0.1096	1.1646	0.0311	0.4857	0.0262	0.4100
82	42.68	-0.06	0.0587	9.9999	0.0115	9.9999	0.1962	1.1874	0.0280	0.4864	0.0236	0.4096
83	42.86	-0.07	0.0460	9.9999	0.0055	9.9999	0.1199	1.2009	0.0328	0.4945	0.0273	0.4114
84	43.06	-0.06	0.0518	9.9999	0.0078	9.9999	0.1509	1.2071	0.0312	0.4962	0.0258	0.4111
85	43.22	-0.06	0.0425	9.9999	0.0061	9.9999	0.1439	1.1678	0.0214	0.4735	0.0184	0.4054
86	43.39	-0.05	0.0437	9.9999	0.0053	9.9999	0.1216	1.2002	0.0282	0.4911	0.0235	0.4092
87	43.59	-0.05	0.0472	9.9999	0.0070	9.9999	0.1486	1.2204	0.0329	0.5017	0.0269	0.4111
88	43.77	-0.06	0.0495	9.9999	0.0081	9.9999	0.1640	1.2049	0.0242	0.4928	0.0201	0.4090
89	43.96	-0.06	0.0400	9.9999	0.0055	9.9999	0.1375	1.2038	0.0263	0.4916	0.0219	0.4086
90	44.12	-0.04	0.0566	9.9999	0.0105	9.9999	0.1858	1.2198	0.0292	0.5005	0.0240	0.4103
91	44.30	-0.06	0.0437	9.9999	0.0062	9.9999	0.1422	1.2181	0.0271	0.4981	0.0223	0.4089
92	44.50	-0.06	0.0507	9.9999	0.0091	9.9999	0.1798	1.2217	0.0279	0.5000	0.0229	0.4093

PAGE 3 OF 3
SHEET 3 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

TEST PART NACH QX10-6			PHI	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION		
7 175 1.10 1.7				0.0	81WOF15	0.0	0	-10	0	-10 UNKNOWN		
POINT	ALPHA	BETA	CNF3	CH3	CB3	XCPF3	YCPF3	CNF4	CH4	CB4	XCPF4	YCPF4
93	44.68	-0.07	0.3379	9.9999	0.0025	9.9999	0.0660	1.2591	0.0233	0.4936	0.0198	0.4082
94	44.86	-0.07	0.0402	9.9999	0.3041	9.9999	0.1020	1.1954	0.0208	0.4872	0.0174	0.4066
95	45.05	-0.06	0.0438	9.9999	0.0053	9.9999	0.1213	1.2104	0.0211	0.4939	0.0193	0.4081
96	45.23	-0.06	0.0450	9.9999	0.0063	9.9999	0.1403	1.1997	0.0235	0.4892	0.0199	0.4078
97	45.40	-0.04	0.0497	9.9999	0.0081	9.9999	0.1633	1.1931	0.0211	0.4844	0.0177	0.4060
98	45.59	-0.08	0.0426	9.9999	0.0061	9.9999	0.1435	1.1579	0.0117	0.4661	0.0101	0.4025
99	45.77	-0.07	0.0473	9.9999	0.0074	9.9999	0.1568	1.1691	0.0159	0.4730	0.0136	0.4046
100	45.95	-0.06	0.0485	9.9999	0.0080	9.9999	0.1653	1.1416	0.0125	0.4607	0.0110	0.4035
101	46.11	-0.08	0.0450	9.9999	0.0063	9.9999	0.1403	1.1308	0.0104	0.4561	0.0092	0.4033
102	46.29	-0.05	0.0462	9.9999	0.0069	9.9999	0.1497	1.1787	0.0147	0.4773	0.0125	0.4049
103	46.47	-0.06	0.0368	9.9999	0.0020	9.9999	0.0543	1.1549	0.0120	0.4662	0.0104	0.4036
104	46.65	-0.07	0.0475	9.9999	0.0065	9.9999	0.1371	1.1267	0.0099	0.4540	0.0088	0.4029
105	46.81	-0.07	0.0463	9.9999	0.0060	9.9999	0.1299	1.0851	0.0080	0.4373	0.0074	0.4038
106	46.99	-0.06	0.0404	9.9999	0.0032	9.9999	0.0792	1.0612	0.0079	0.4272	0.0075	0.4026
107	47.17	-0.07	0.0463	9.9999	0.0060	9.9999	0.1299	1.0270	0.0055	0.4138	0.0055	0.4029
108	47.35	-0.08	0.0439	9.9999	0.0044	9.9999	0.1005	1.0330	0.0069	0.4139	0.0067	0.4007
109	47.50	-0.06	0.0357	9.9999	0.0005	9.9999	0.0140	0.9691	0.0057	0.3877	0.0059	0.4000
110	47.67	-0.07	0.0497	9.9999	0.0067	9.9999	0.1351	0.9845	0.0067	0.3939	0.0068	0.4001
111	47.87	-0.06	0.0497	9.9999	0.0067	9.9999	0.1351	0.9448	0.0065	0.3772	0.0069	0.3992
112	48.04	-0.06	0.0520	9.9999	0.0087	9.9999	0.1676	0.9380	0.0049	0.3968	0.0050	0.4015
113	48.19	-0.07	0.0403	9.9999	0.0027	9.9999	0.0670	0.9757	0.0055	0.3891	0.0056	0.3988
114	48.38	-0.07	0.0427	9.9999	0.0038	9.9999	0.0892	1.0092	0.0049	0.4042	0.0049	0.4005
115	48.55	-0.06	0.0322	9.9999	-0.0021	9.9999	-0.0652	1.0175	0.0042	0.4072	0.0041	0.4002
116	48.70	-0.05	0.0427	9.9999	0.0038	9.9999	0.0892	1.0111	0.0037	0.4047	0.0037	0.4002
117	48.89	-0.05	0.0475	9.9999	0.0056	9.9999	0.1181	1.0178	0.0034	0.4060	0.0033	0.3989
118	49.04	-0.05	0.0464	9.9999	0.0032	9.9999	0.0691	1.0071	0.0035	0.4018	0.0035	0.3989
119	49.20	-0.05	0.0452	9.9999	0.0036	9.9999	0.0798	0.9977	0.0037	0.3972	0.0037	0.3981
120	49.38	-0.03	0.0464	9.9999	0.0041	9.9999	0.0896	1.0181	0.0029	0.4054	0.0028	0.3982
121	49.56	-0.05	0.0429	9.9999	0.0025	9.9999	0.0584	1.0153	0.0029	0.4033	0.0029	0.3972
122	49.75	-0.03	0.0428	9.9999	0.0034	9.9999	0.0796	1.0277	0.0022	0.4095	0.0021	0.3985
123	49.92	-0.02	0.0498	9.9999	0.0067	9.9999	0.1348	0.9936	0.0038	0.3935	0.0038	0.3960
124	50.09	-0.01	0.0545	9.9999	0.0085	9.9999	0.1562	1.0158	0.0035	0.4037	0.0035	0.3974
125	50.26	-0.02	0.0452	9.9999	0.0045	9.9999	0.0998	0.9973	0.0035	0.3944	0.0035	0.3956
126	50.41	-0.01	0.0522	9.9999	0.0088	9.9999	0.1689	1.0082	0.0042	0.3990	0.0042	0.3957
127	50.61	-0.02	0.0405	9.9999	0.0023	9.9999	0.0568	0.9983	0.0045	0.3951	0.0045	0.3957
128	50.59	-0.03	0.0499	9.9999	0.0081	9.9999	0.1627	0.9982	0.0046	0.3951	0.0046	0.3958
129	50.94	-0.01	0.0500	9.9999	0.0067	9.9999	0.1343	1.0160	0.0038	0.4017	0.0037	0.3953
130	51.10	-0.00	0.0499	9.9999	0.0077	9.9999	0.1546	0.9918	0.0042	0.3921	0.0042	0.3953
131	51.26	0.00	0.0547	9.9999	0.0099	9.9999	0.1813	0.9801	0.0061	0.3786	0.0064	0.3943
132	51.43	-0.00	0.0511	9.9999	0.0101	9.9999	0.1980	0.9690	0.0059	0.3825	0.0060	0.3947
133	51.60	0.01	0.0594	9.9999	0.0131	9.9999	0.2209	0.9882	0.0048	0.3906	0.0049	0.3952
134	51.77	0.01	0.0594	9.9999	0.0131	9.9999	0.2209	0.9529	0.0059	0.3754	0.0042	0.3939
135	51.94	-0.00	0.0524	9.9999	0.0097	9.9999	0.1855	0.9042	0.0091	0.3538	0.0103	0.3913
136	52.11	-0.00	0.0525	9.9999	0.0088	9.9999	0.1679	0.9209	0.0079	0.3618	0.0086	0.3929
137	52.27	0.00	0.0525	9.9999	0.0093	9.9999	0.1775	0.9049	0.0094	0.3541	0.0104	0.3913
138	52.45	-0.01	0.0466	9.9999	0.0070	9.9999	0.1505	0.9062	0.0095	0.3548	0.0105	0.3916

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER(NSRDC)

7 BY 10 FOOT TRANSONIC WIND TUNNEL FACILITY

PAGE 3 OF 3
SHEET 4 OF 4

MARTIN MISSILE TAILS EFFECTS DATA

	TEST	PART	MACH	RX10-6	PH1	CONF	L	DEL1	DEL2	DEL3	DEL4	TRANSITION
	7	175	1.10	1.7	0.0	81WOF15	0.0	0	-10	0	-10	UNKNOWN
POINT	ALPHA	BETA	CNF3	CH3	CB3	KCPF3	YCPF3	CNF4	CH4	CB4	KCPF4	YCPF4
139	52.60	-7.01	0.0513	9.9999	0.0097	9.9999	0.1995	0.7104	0.0093	0.3590	0.0102	0.3933
140	52.76	-0.01	0.0525	9.9999	0.0102	9.9999	0.1947	0.9166	0.0090	0.3601	0.0098	0.3929
141	52.94	-0.02	0.0432	9.9999	0.0053	9.9999	0.1230	0.9380	0.0079	0.3682	0.0084	0.3925
142	53.11	-0.02	0.0551	9.9999	0.0100	9.9999	0.1818	0.9345	0.0082	0.3672	0.0088	0.3929
143	53.26	-0.01	0.0539	9.9999	0.0094	9.9999	0.1747	0.9375	0.0078	0.3689	0.0093	0.3935
144	53.43	-0.02	0.0528	9.9999	0.0089	9.9999	0.1689	0.9490	0.0075	0.3733	0.0079	0.3933
145	53.59	-0.02	0.0457	9.9999	0.0064	9.9999	0.1404	0.9364	0.0076	0.3682	0.0081	0.3932
146	53.74	-0.01	0.0505	9.9999	0.0082	9.9999	0.1627	0.9418	0.0076	0.3731	0.0081	0.3929
147	53.92	-0.03	0.0601	9.9999	0.0128	9.9999	0.2133	0.9575	0.0071	0.3753	0.0074	0.3930
148	54.06	-0.02	0.0577	9.9999	0.0126	9.9999	0.2197	0.9573	0.0065	0.3759	0.0068	0.3926
149	54.19	-0.03	0.0506	9.9999	0.0087	9.9999	0.1723	0.9447	0.0074	0.3706	0.0078	0.3923
150	54.35	-0.04	0.0567	9.9999	0.0111	9.9999	0.1961	0.9732	0.0059	0.3827	0.0061	0.3932
151	54.51	-0.06	0.0567	9.9999	0.0116	9.9999	0.2049	0.9713	0.0060	0.3813	0.0062	0.3925
152	54.73	-0.06	0.0472	9.9999	0.0061	9.9999	0.1295	0.9699	0.0060	0.3802	0.0062	0.3920
153	54.92	-0.04	0.0484	9.9999	0.0071	9.9999	0.1470	0.9751	0.0055	0.3893	0.0056	0.3900
154	54.97	-0.04	0.0533	9.9999	0.0085	9.9999	0.1598	0.9721	0.0058	0.3805	0.0060	0.3914
155	55.11	-0.06	0.0533	9.9999	0.0080	9.9999	0.1504	0.9735	0.0056	0.3806	0.0058	0.3909
156	55.28	-0.06	0.0510	9.9999	0.0069	9.9999	0.1356	0.9869	0.0051	0.3863	0.0052	0.3914
157	55.47	-0.13	0.0534	9.9999	0.0080	9.9999	0.1501	0.9855	0.0052	0.3857	0.0053	0.3913
158	55.58	-0.03	0.0535	9.9999	0.0076	9.9999	0.1423	0.9967	0.0044	0.3898	0.0044	0.3911
159	55.77	-0.07	0.0606	9.9999	0.0114	9.9999	0.1984	0.9992	0.0047	0.3905	0.0047	0.3908
160	55.93	-0.09	0.0534	9.9999	0.0075	9.9999	0.1427	0.9958	0.0044	0.3900	0.0044	0.3916
161	56.11	-0.05	0.0618	9.9999	0.0120	9.9999	0.1945	1.0056	0.0038	0.3926	0.0038	0.3904
162	56.26	-0.10	0.0558	9.9999	0.0092	9.9999	0.1652	1.0014	0.0040	0.3913	0.0040	0.3907
163	56.42	-0.11	0.0498	9.9999	0.0063	9.9999	0.1265	1.0071	0.0035	0.3947	0.0035	0.3919
164	56.60	-0.10	0.0523	9.9999	0.0065	9.9999	0.1245	1.0380	0.0016	0.4077	0.0015	0.3928
165	56.76	-0.03	0.0534	9.9999	0.0075	9.9999	0.1407	1.0523	0.0002	0.4136	0.0002	0.3931
166	56.90	-0.08	0.0451	9.9999	0.0045	9.9999	0.1000	1.0352	0.0003	0.4046	0.0003	0.3909
167	57.03	-0.11	0.0416	9.9999	0.0023	9.9999	0.0554	1.0309	0.0013	0.4043	0.0013	0.3922
168	57.20	-0.03	0.0572	9.9999	0.0098	9.9999	0.1716	1.0334	0.0010	0.4042	0.0010	0.3911
169	57.33	-0.09	0.0501	9.9999	0.0059	9.9999	0.1185	1.0439	0.0009	0.4083	0.0009	0.3911
170	57.49	-0.10	0.0439	9.9999	0.0048	9.9999	0.0984	1.0522	0.0006	0.4113	0.0006	0.3909
171	57.67	-0.09	0.0513	9.9999	0.0060	9.9999	0.1172	1.0496	0.0004	0.4096	0.0004	0.3903
172	57.79	-0.10	0.0417	9.9999	0.0019	9.9999	0.0457	1.0569	-0.0006	0.4125	-0.0006	0.3903
173	57.93	-0.06	0.0477	9.9999	0.0047	9.9999	0.0987	1.0510	0.0001	0.4087	0.0001	0.3889
174	58.07	-0.07	0.0477	9.9999	0.0047	9.9999	0.0987	1.0593	0.0001	0.4118	0.0001	0.3888
175	58.21	-0.11	0.0538	9.9999	0.0071	9.9999	0.1322	1.0647	-0.0006	0.4134	-0.0006	0.3883
176	58.37	-0.07	0.0515	9.9999	0.0069	9.9999	0.1342	1.0696	-0.0004	0.4135	-0.0004	0.3866
177	58.39	-0.09	0.0491	9.9999	0.0063	9.9999	0.1286	1.0553	0.0001	0.4083	0.0001	0.3869
178	57.51	-0.11	0.0457	9.9999	0.0031	9.9999	0.0680	1.0385	0.0019	0.4028	0.0018	0.3879

Listing of Part Numbers for the Tabulated Data of Test No. 7

CONF	L	DEL1	DEL2	DEL3	DEL4	PHI	TRANSITION	R x 10 ⁻⁶	Q	β	Part Number			
											M _∞	M _∞	M _∞	M _∞
											0.80	0.90	1.00	1.10
BIWOF23	0	0	0	0	0	0	Unknown	1.7	Vary	0	(2)	(5)	(8)	(10)
↓						45					4	6	9	11
BIWOF11						0					(28)	(30)	(33)	(37)
↓												34		
						45					29	32	35	36
BIWOF34						0					(39)	(41)	(44)	(45)
↓						45					40	42	43	46
BIWOF14						0					(47)	(50)	(51)	(54)
↓						45					48	49	52	53
BIWOF15						0					(55)	(58)	(59)	(62)
↓						45					56	57	60	61
BIWOF13						0					(63)	(66)	(67)	(70)
↓						45					64	65	68	69
BIWOF31						0					(71)	(74)	(75)	(79)
↓						45					72	73	76	77
BIWOF0		OFF	OFF	OFF	OFF	0					85	86	87	
BIWOF31		0	-10	0	-10						(90)	(91)	(92)	(93)
BIWOF23											(94)	(95)	(96)	(97)
BIWOF11											(98)	(99)	(100)	(101)
BIWOF14											(102)	(103)	(104)	(105)
↓			-30		-30						(106)	(107)	(108)	(109)
BIWOF15											(110)	(111)	(112)	(113)
BIWOF13											(114)	(115)	(116)	(117)
BIWOF31											(118)	(119)	(120)	(121)
BIWOF34											(122)	(123)	(124)	(125)
BIWOF23											(126)	(127)	(128)	(129)
BIWOF11											(130)	(131)	(132)	(133)
↓			-20		-20						(135)	(136)	(137)	(138)
BIWOF14											(140)	(141)	(142)	(143)
BIWOF15											(144)	(145)	(146)	(147)
BIWOF23											(148)	(149)	(150)	(151)
BIWOF13											(152)	(153)	(154)	(155)
BIWOF31											(156)	(157)	(158)	(159)
BIWOF34											(160)	(161)	(162)	(163)
↓			-10		-10						(164)	(165)	(166)	(167)
BIWOF13											(168)	(169)	(170)	(171)
BIWOF15											(172)	(173)	(174)	(175)

NOMENCLATURE

A	Streamwise length of beveled portion of fin leading edge, in. (see Fig. 6)
ALPHA (α)	Model angle of attack, deg
AR	Fin aspect ratio, b^2/S_F
B	Streamwise length of beveled portion of fin trailing edge, in. (see Fig. 6)
BETA (β)	Model angle of sideslip, deg
b	Tail fin span, measured from the root chord to the tip, in. (see Fig. 6)
CA	Axial-force coefficient, measured axial force/ $q_\infty S$
CAB	Base axial-force coefficient, $(p_\infty - p_b)/q_\infty$
CAF	Forebody axial-force coefficient, $CA - CAB$
CB	Splitter plate tail fin root bending-moment coefficient, fin bending moment/ $q_\infty S_F b$
CB1, CB2, CB3, CB4	Root bending-moment coefficient of tail fins No. 1, 2, 3, and 4, respectively, fin bending moment/ $q_\infty S_F b$
CH	Splitter plate tail fin hinge-moment coefficient, hinge moment/ $q_\infty S_F C_R$
CH1, CH2, CH3, CH4	Hinge-moment coefficients of tail fins No. 1, 2, 3, and 4, respectively, fin hinge moment/ $q_\infty S_F C_R$
CLL	Rolling-moment coefficient, rolling moment/ $q_\infty S d$
CLM	Pitching-moment coefficient, pitching moment/ $q_\infty S d$ (moment reference point located on centerline at 50 percent of model body length)
CLN	Yawing-moment coefficient, yawing moment/ $q_\infty S d$
CN	Normal-force coefficient, normal force/ $q_\infty S$

CNF	Splitter plate tail fin normal-force coefficient, fin normal force/ $q_\infty S_F$
CNF1, CNF2, CNF3, CNF4	Normal-force coefficient of tail fins No. 1, 2, 3, and 4, respectively, fin normal force/ $q_\infty S_F$
CONF	Model configuration identification
C_R	Tail fin root chord, in. (see Fig. 6)
C_T	Tail fin tip chord, in. (see Fig. 6)
C_Y	Side-force coefficient, side force/ $q_\infty S$
d	Model body maximum diameter, in. (see Fig. 3)
DEL1, DEL2, DEL3, DEL4	Deflection of tail fins No. 1, 2, 3, and 4, respectively, deg
L	Distance between model nose and the intersection of the wing leading edge with the body (measured parallel to the body centerline), in.
MACH (M_∞)	Nominal free-stream Mach number
PART	Data indexing number
PHI	Model roll angle, deg
POINT	Data indexing number per part number
p_b	Average static pressure at model base, psfa
p_∞	Free-stream static pressure, psfa
q_∞	Free-stream dynamic pressure, psf
R	Nominal Reynolds number per foot
S	Maximum body cross-sectional area, ft ²
S_F	Tail fin planform area, ft ² (see Fig. 6)
TEST	Test identification number
T_R	Tail fin root thickness, in. (see Fig. 6)

TRANSITION	Transition identification
X	Distance from fin root chord leading edge to fin hinge line, in. (see Fig. 6)
XCP	Missile body center-of-pressure location, CLM/CN
XCPF	Splitter plate fin longitudinal center-of-pressure location, CH/CNF
XCPF1, XCPF2 XCPF3, XCPF4	Longitudinal center-of-pressure location of tail fins No. 1, 2, 3, and 4, respectively, hinge moment/fin normal force
YCPF	Splitter plate fin lateral center-of-pressure location, CB/CNF
YCPF1, YCPF2 YCPF3, YCPF4	Lateral center-of-pressure location of tail fins No. 1, 2, 3, and 4, respectively, root bending moment/fin normal force
Λ	Tail fin leading-edge sweep angle (see Fig. 6)
λ	Tail fin taper ratio, C_T/C_R